

## Griot Opalanga Pugh To Tell African Stories 'Beneath the Baobab'

In tribute to the many contributions of Martin Luther King, Jr., Denver Botanic Gardens is celebrating a day of African-American awareness activities for adults and children on Sunday, January 16, the day before the national holiday for King's birth. Except for the Gardens' standard admission fees, which are not charged to members, the activities are free.

The highlight of the day will be a performance by celebrated storyteller Opalanga Pugh at 2 p.m. Titled "Beneath the Baobab," this program will feature stories that focus on the connections between people and the Earth and will help to link us spiritually with our ancestors.

A full-time storyteller who learned her art in West Africa, the extremely talented and delightfully charismatic Pugh has found that where there's human interaction, there's a place for storytelling. She believes "that stories are not just meant to make us smile, but that our very lives depend on them."

A Denver native, Pugh is known as a griot, one who helps preserve spiritual and practical wisdom and who honors the life cycles. She has traveled internationally, sharing and collecting stories, hosting ceremonies and conducting workshops.

Also on the 16th, special displays of African art objects from the Lieco Authentic Africa Gallery in Denver and African plants from DBG's collections will be accompanied by make-it-and-take-it craft activities.

The storytelling will be at 2 p.m. in John C. Mitchell II Hall. Participants are encouraged to bring small pillows or magic carpets to sit on.

Pugh has been described as the consummate performer—don't miss this mesmerizing program!

# NEWS

Denver Botanic Gardens  
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## From the Executive Director

Our understanding of biodiversity is appallingly small for all but a few groups of organisms, primarily larger animals. One group, the fungi, are particularly poorly studied, yet they are ecologically vital and of increasing interest to medical science.

The study of fungi, called mycology, is an important element of research at Denver Botanic Gardens. This program was begun by Dr. D.H. Mitchel, a retired M.D. and mycology expert who died in 1993. He left us a great legacy, now overseen by his former assistant, Vera Evenson.

Our work concentrates on the collection and identification of native fungi of Colorado, and our herbarium consists of more than 17,000 specimens representing over 1,500 species. It is the most complete collection in Colorado and one of the largest in the West.

DBG also supports, through a grant to us from the Morrison Trust, research by Dr. Steve Miller at the University of Wyoming on one genus of fungi that is extremely important ecologically, *Hebeloma*. This research, an extension of work begun by Dr. Mitchel and Vera Evenson, will result in a publication when it is completed in the next several years.

Next year, we will begin labelling fungi found growing at Denver Botanic Gardens, to enhance our visitors' appreciation of this fascinating and important group of organisms. Fungi were once considered primitive plants, but they are now classified in their own kingdom, and they are no longer thought to be primitive.

To further your understanding, you might want to sign up for the introductory course Ms. Evenson will teach in May, *The Fascinating Fungi*. Also, you might want to join the Colorado Mycological Society (320-6569) and attend its annual Mushroom Fair at Denver Botanic Gardens in August.

—Richard H. Daley

## Tributes

### In memory of Sam S. Doida

The Steve A. Holt Family

### In memory of

**Mr. Edward H. Becker, Sr.**

Mrs. Ann Orvis

### In memory of Ms. Helen Hawkins

Mr. & Mrs. Barry Lusher

### In memory of

**Mr. Stanford Hyman**

Mr. & Mrs. John H. Jones

### In memory of Mrs. Jean Jeske

Mr. & Mrs. David Ferguson

### In memory of Ms. Doris Lukrofha

Mr. & Mrs. David Ferguson

### In memory of

**Mrs. Willie Mae Sanders**

Mrs. Alice L. Fisher

### In memory of

**Mr. Arthur Matajiro Watada**

The Staff of the YWCA of Metro Denver

Ms. Gloria Kubel Winber

### In memory of Dr. Kathleen Wood

Ms. Judith H. Bourke

## Carol Schutz & Mary Ann Conner To Chair '94 Sale

Carol Schutz and Mary Ann Conner have taken up the challenge of putting on the Gardens' Plant and Used Book Sale this year. It will be their job to mobilize nearly a thousand volunteers and half-a-million plants by May 5. The sale is May 6 and 7.

Chairman Schutz, an active member of Denver Digs Trees, the Observatory Park Beautification Committee and the Garden Club of Denver, is a five-year veteran of the sale. She has been active in community affairs since she arrived in Denver from Pittsburgh seven years ago.

Co-chairman Conner is a tax accountant, brought on board for her proven organizational skills. A Colorado native, with a gorgeous garden in Cherry Hills, she has been a volunteer for the annual sale three years.

## DBG Welcomes New Upper Level Members

Special thanks to new and renewing upper level members.

### Four Seasons Affiliates

Mr. & Mrs. Rollin D. Barnard  
Mr. Bruce Benson  
Mr. & Mrs. William B. Collister  
Mr. & Mrs. Frederick Hamilton  
Mr. & Mrs. Harley G. Higbie, Jr.  
Mr. & Mrs. John C. Mitchell II  
Ms. Sara M. Moore  
Mr. & Mrs. K. L. Nelson  
Mr. & Mrs. John F. Rand  
Mr. & Mrs. Benjamin Stapleton  
Mr. & Mrs. William Thurston

### Perennial Partners

Mr. & Mrs. Joseph C. Jaudon

### Conservators Society

Mr. & Mrs. Edward Lehman  
Mr. & Mrs. Earl R. Moore  
Dr. Richard M. Swengel

### Botanist Club

Ms. Anne Bogaty  
Dr. & Mrs. Thomas H. Coleman  
Mr. & Mrs. Orville Cooper  
Ms. Leslie Davis  
Mr. & Mrs. Timothy A. Davis  
Ms. Mary E. Grix  
Mr. Bob Heberton  
Ms. Kerry L. Holland  
Ms. Claudia J. Jordan  
Mr. & Mrs. Ronald Katz  
Mr. & Mrs. Richard Koehn  
Ms. Alex Lilley  
Mr. & Mrs. John O. Lohre  
Mr. Mike McBiles  
Dr. & Mrs. Scott MacCormack  
Mr. & Mrs. David Manchester  
Mrs. Caroline Morgan  
Mr. & Mrs. Frank Nuccio  
Mr. & Mrs. Eldon E. O'Neal  
Mr. & Mrs. John Prosser  
Mr. Francis Sajsa  
Mr. & Mrs. Edward Skaff  
Mr. & Mrs. Howard Turetzky  
Mr. & Mrs. William Weil  
Mr. Wayne Whitaker

## Green Thumb News Number 94-1 January 1994

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Editor: Larry Latta, 370-8033

Deadline for March issue: January 21

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.





# Survey: Culturals Add \$461 Million to Colorado Economy

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Cultural and scientific organizations in the six-county Denver metropolitan area contributed an estimated \$461 million to the area's economy in 1992, according to a survey by the Colorado Business Committee for the Arts (CBCA) and the accounting firm of Deloitte & Touche.

The CBCA survey showed that local cultural and artistic institutions attracted more visitors in 1992 than all of the home games of Denver's professional sports teams—the Rockies, the Broncos and the Nuggets—combined.

The survey, which included information from Denver Botanic Gardens, found that the cultural institutions have been growing in accessibility and outreach and continue to play a major role in the economic life of the community.

Data derived from the survey showed that the Denver-area arts and cultural organizations contributed \$104 million in direct operating expenditures, \$24 million in capital expenditures, audience ancillary spending of \$80 million and indirect capital and operating spending of \$253 million to the area economy in 1992.

The organizations employed nearly 4,000 people in 1992, making them, as a group, the 12th largest private employer in the state. The sales impact of arts and scientific groups generated more than 11,000 full-time, part-time and contract positions in related industries, with a payroll of \$161 million, the study showed.

Culture and arts groups attracted 7.3 million people in 1992, about 1.5 million more attendees than the home games of Denver's major sports franchises. In addition, six of the top 20 tourist attractions in Denver are scientific and cultural institutions.

"The arts in Denver attract visitors from all over the state and beyond," said Roger Page, CBCA chairman. "They also influence the decision to locate a business or home in the region while building community pride."

In addition to their economic contributions, cultural organizations have increased their services to underserved populations and children. In 1992 about 1.1 million school children attended a program by a scientific or cultural group, up from 800,000 in 1989, the survey disclosed. Similarly, outreach pro-



*DBG's educational programs have reached new audiences with the aid of funds from the SCFD.*

grams to underserved populations—people of color, the disabled and the elderly—more than tripled between 1989 and 1992.

And the organizations offered more than two million unpaid admissions and 750,000 reduced-rate admissions in 1992, as well as 10,600 performances and entertainment opportunities, an increase of 44 percent from 1989.

The CBCA survey was conducted among all 181 organizations that received funds from the Scientific and Cultural Facilities District (SCFD) since 1989. Of these, 96 groups representing 95 percent of the SCFD-distributed funds responded to the CBCA's request for information.

The SCFD was created by voters in 1988 and distributes approximately \$18 million annually to nonprofit groups from a one-tenth of one percent sales tax.

More information on the survey can be obtained from the Colorado Business Committee for the Arts at 1560 Broadway, Suite 1800, in Denver.

## A Corporate Friend of the Garden

Bouquets, a full-service, custom florist, is happy to be the closest flower shop, geographically, to the Gardens. But even if it were on the other side of the state, the shop would continue its support and commitment, because of shared philosophies about botanical education, hands-on training, research and encouraging the cultivation and use of native plants.

Bouquets specializes in providing a wide selection of unusual garden and tropical cut flowers. Gift items include candles, greeting cards, specialty garden tools, baskets and vases. Bouquets is well respected for party decorating and elegant wedding work.

DBG members at the Botanist Club, Conservators Society, Perennial Partners, or Four Seasons level receive a 10% discount at Bouquets when they present their membership card. Located at 2029 East Thirteenth Avenue, Bouquets invites you to stop by between 7 a.m. and 6 p.m. Monday through Friday or 10 a.m. to 4 p.m. on Saturdays.





## DBG Offers Internships in Applied Horticulture

Denver Botanic Gardens invites horticulture students to apply for four 1994 Internships in Applied Horticulture. The internships will be from June 6 to August 12.

They will offer students the opportunity to work alongside the Garden's professional gardening staff, learning the daily operations of a public display garden. Field trips, special projects and lectures will round out the program, which emphasizes Front Range horticulture.

The interns will gain work experience planting, watering, pruning and weeding on the outside grounds; seeding, transplanting and propagating in the greenhouses; assisting with the tropical and subtropical plant displays; and attending a weekly lecture and field trip.

Applicants must be currently enrolled in college. Preference will be given to residents of, or students in Colorado, Montana, New Mexico, Utah and Wyoming. Both traditional and nontraditional students, includ-

ing those that are making career changes into the field of horticulture, are invited to apply. Applicants must have completed their sophomore year of college with a grade point average of at least 2.5 on a scale of 4.0 and must be currently enrolled as either an undergraduate or a graduate student. Several introductory courses in botany and horticulture are prerequisites.

Applicants are sought for the two Alice Mann Owen Internships in Applied Horticulture and the Clara Van Schaak Phipps Internship in Applied Horticulture. The fourth internship is underwritten by gifts from the Denver Botanic Guild, the Associates of Denver Botanic Gardens, the Denver chapter of Gardeners of America and others.

Inquiries and requests for applications should be directed to Paula Ogilvie, adult education specialist at DBG, 370-8041. Applications are due March 1, 1994.

## Resolve Now To Volunteer for DBG's '94 Events, Tours

Now is the time to make a resolution to become a Denver Botanic Gardens volunteer in 1994.

Enclosed in this issue of *GTN* is the year's calendar of public and members' events. Every one of the activities listed has been chosen for its educational and cultural excitement for the thousands of people who will attend. And every event will depend on the assistance of volunteers for its success. The Gardens is fortunate, indeed, to have hundreds of fun-loving, hard-working volunteers. Won't you join them? Call 370-8049 to associate yourself with one of the year's activities. Your talents and experience will be appreciated by all who attend the Gardens this year.

Also, volunteer guide training for four guided tour programs is just around the corner. If you are interested in learning more about the Gardens and sharing your interest and enthusiasm with adults or children, join us in March.

The four training programs this spring are for outdoor guides, sensory tour guides, Chatfield Arboretum naturalist-guides and preschool guides. A required two-morning introductory session will enable you to learn more about the Gardens and each program before focusing on one or more areas.

Experienced guides interested in assisting with teaching part of the new-guide training are also encouraged to sign up. For additional information on DBG's guiding programs, please call 370-8043.





The DBG education department will present two days of gardening programs in February on the mixed border. On Thursday, February 17, *Horticulture* magazine brings "Mastering the Mixed Border," a one-day symposium on design, plants and garden style. Friday, February 18, Denver Botanic Gardens will offer a complementary workshop, "Piñons and Penstemons: Perennials for the West," that will take a closer look at the challenges and rewards of Rocky Mountain gardening. Participants may attend one or both days.

Success in creating a garden comes from knowing not only the cultural requirements of each group of plants but also the principles of border design. *Horticulture* magazine's symposium brings together four of today's foremost designers and gardeners to share their experience and knowledge in making memorable plant compositions.

Penelope Hobhouse is an internationally known and respected gardener, designer and author of numerous gardening books, including *Color in Your Garden*. Her talk demonstrates how to use color, texture and form in the design of borders.

Daniel Hinkley, co-owner of Heronswood Nursery, Kingston, Washington, just published his first book, *Winter Ornaments*. A frequent lecturer and contributor to gardening magazines, he introduces the choicest new and unusual plants that work together effectively.

John Greenlee, owner of Greenlee Nursery, which specializes in ornamental grasses, sedges, rushes and other grasslike plants, is the author of *The Encyclopedia of Ornamental Grasses*. His presentation looks at the ornamental role of grasses and the unique qualities they offer the border designer.

Lauren Springer, local award-winning garden writer for *The Denver Post*, expands the palette for the Front Range mixed border with plants adapted to the Colorado climate.

DBG's "Piñons and Penstemons: Perennials for the West," features local experts to help you create a beautiful "water-smart" mixed border for your yard. Abundant and intense sunlight, low humidity, fluctuating temperatures and an average rainfall of less than 16 inches can challenge even the masters when creating a mixed border here. Learning to work with our regional conditions and microclimates takes a



Penelope Hobhouse headlines DBG's two-day gardening seminar Feb. 17 & 18.

basic understanding of the principles of WaterSmart Gardening,<sup>™</sup> amendment, design elements and plant choices.

These same challenging conditions, however, allow us to create borders of brilliant color—what has been called "floral fireworks." From the soft, cool colors of the white-tufted evening primrose, coyote mint and Russian sage, to the warmer colors of prairie fire penstemon, winecup and butterfly weed, a traditional-style perennial border can be developed with choice yet unthirsty plants.

Jim Knopf, landscape architect and author of *The Xeriscape Flower Garden*, presents a fast-paced, entertaining look at the seven principles of low-water garden design that emphasize water and plant zones to create a distinct Western style garden.

Landscape designer Al Rollinger shows three garden approaches that explain garden zoning and sensible low-maintenance designs.

Angela Overy, author of *The Foliage Garden, Creating Beauty Beyond Bloom*, explores which foliage thrives here and how gardens can be enhanced by leaf textures, sizes, shapes and colors.

Larry Watson, one the regions most knowledgeable plantsmen, presents trees and shrubs that are well suited but underused in Colorado gardens.

DBG's Andrew Pierce discusses the "nuts and bolts" of flower bed preparation and border renewal plus tips on how to successfully combine plants. The program concludes with a "Perennial Panel" with top local horticulturists Rob Proctor, Panayoti Kelaidis, Harriet McMillan, Kelly Grummons and Andrew Pierce to answer your questions on design and plants.

The registration fee for both Thursday and Friday, February 17 & 18, is \$131 for DBG members, \$144 for *Horticulture* magazine subscribers, \$157 for nonmembers and \$85 for students with proof of full-time status.

The price for only *Horticulture* magazine's symposium, "Mastering the Mixed Border," Thursday, February 17, is \$89 for DBG members, \$99 for *Horticulture* magazine subscribers, \$109 for nonmembers and \$58 for students.

The DBG program, "Piñons and Penstemons: Perennials for the West," on Friday, February 18, is \$50 for members, \$60 for nonmembers and \$38 for students.

Registration includes handouts, refreshments and lunch. (Lunch is not included in the student rates.)

Members will be sent a symposium brochure and registration form in late December. However, please feel free to call Paula Ogilvie, adult education specialist, 370-8041, if you have questions.



## From the 1994 Plant & Used Book Sale Chairman

### Resolutions for a Great Gardening Year:

1. Mark your new 1994 calendar now for the 45th annual Plant and Used Book Sale: May 5 to 7, just before Mothers Day .
2. Make your reservation early for the Preview Party Thursday, May 5. It's a chance to socialize, "sip and sup" and shop for your plants a day in advance of the public.
3. Mark the hours of 8:30 to 10 a.m. on Friday and Saturday, May 6 and 7, to do the remainder of your shopping. Only DBG members, seniors and people who need special assistance will be shopping then.
4. Compile your plant list early. Use your winter days and your new seed and plant catalogs to plan your gardens and containers for the summer. Don't forget, the DBG Plant and Used Book Sale will be the best place to shop for all kinds of plants best suited to Colorado's climate and soils.
5. Early in the new year, start saving and donating used books, magazines and videocassettes for the sale. They will bring in funds for new books for DBG's Helen Fowler Library.
6. This year, volunteer your own time for the sale. Call Sally Conover, 777-1166, to sign up. Many positions and times are available in the 20 specialty divisions of the sale. It's a fabulous event that you won't want to miss, and it's even more fun when you are helping it happen.

—Carol Schutz

### Exciting DBG Trips Offered in 1994

- Belize, February 11 to 20
- Wildflower Tour to Durango, Ouray and Telluride, Colorado, July 8 to 12;
- Fall Colors in the Smoky and Blue Ridge Mountains, Asheville, Bittmore, Tennessee, October 15 to 19.

Additional information will be published in future issues of *The Green Thumb*, but for details now you may call Barbara Baldwin, 783-0010.



## Give 'Books for Tots' at DBG

At DBG's children's concerts this summer you may have noticed a big red dinosaur book barrel, or your child may have received a colorful "Dino" the dinosaur sticker, or you may have talked with a volunteer from the literacy project called "Books for Tots."

Thanks to your donations, about 300 books were collected at DBG. However, the "Books for Tots" program, run by Denver Social Services and a nonprofit board called Friends of Food for Thought, needs over 50,000 books for preschool children from low-income families. These kids are least likely to be exposed to books before entering school; they are at risk as potential underachievers or drop-outs.

Visitors to the Gardens will have another opportunity to donate books during January, February and March. "Dino" is coming back to DBG's lobby. Simply bring in new or used books for preschoolers and drop them in "Dino's" book barrel. Reach out and help nurture a young child's love for books and learning, and help eliminate illiteracy.

## DBG Receives Grant for Hildebrand Farm Interpretation

The DBG education department has been awarded a grant of \$4,306 from the State Historical Fund for interpretation of the Hildebrand Farm at Chatfield Arboretum. The project has two components: improved signage for the historic farm's 13 buildings and a self-guided-tour brochure.

The interpretation project is scheduled to be completed by mid-year before the busiest season arrives. In addition to improving the appearance of the Hildebrand Farm, the new signs and brochure will encourage historic preservation by teaching about early Colorado history. They are expected to increase visitation to the site as well as the other historic areas of the Chatfield Basin.

The farm was originally acquired by Frank Hildebrand in 1866 and remained in the Hildebrand family until 1970. It is on the National Register of Historic Places and is cited an excellent example of an early Colorado homestead.





## From Your Membership Office—

### Musical Puppet Show, 'Jeremiah'

Join us in Mitchell Hall Saturday, January 29, at 2 p.m. when popular puppeteer Natasha la Gitana and musician Roger "Catfish" Chambers will take members, young and old, on a musical adventure based on the children's book, *Jeremiah in the Dark Woods*, by Janet and Allan Ahlberg.

The puppet show will feature Jeremiah, a young, adventurous boy, who encounters many characters while exploring the woods and a lovely botanic garden. Songs featuring the themes of trees and natural phenomena will be sung by "Catfish," who will also play a variety of musical instruments, including guitar, harmonica, concertina and the mandolin.

A snack will be provided. Admission will be \$2 per person. For children 3 and younger the performance is free. Questions? Please call Amy Capra, 370-8021.

### Preschoolers Discover 'Magic' at the Gardens

Here's an invitation to join your preschooler once a month in a shared activity at the Gardens. "The Magic Garden" is a new enrichment program in the natural sciences for preschoolers and a parent or adult friend. Each session includes an activity, a story and a snack. Please come dressed for the weather!

The classes—all on Wednesdays—are 9:30 to 11 a.m. Members' cost is \$12 for a child and one adult, for nonmembers the cost is \$15. Come share the joy of the Gardens with your child at any of the following:

January 12, Rainforest Rendezvous

February 9, A Bird Abode

March 16, Plants to Drink

April 13, Terrific Trees

May 18, How Does a Garden Grow?

June 15, Wildflower Wonders

July 13, Desert Dwellings

August 17, Life on the Prairie

September 21, Leaf Pursuits

October 19, Harvest Happenings

November 9, Paperwhite Puzzles

December 7, Garden Gifts

## DBG Increases Free Times for 1994

Coloradans will have abundant opportunities to visit Denver Botanic Gardens and Chatfield Arboretum without charge in 1994. Executive Director Richard H. Daley announced a schedule that concentrates free times during the warmer months for both locations, when they are their most beautiful.

Admission to the Gardens, 1005 York St., will be free on 14 summer Sunday mornings, beginning Sunday, June 5, and continuing every Sunday morning through Sunday, Sept. 4, on Labor Day weekend. On those Sundays Colorado residents will be admitted free from 9 a.m. until noon.

In addition, admission to the Gardens will be free to Colorado residents all day, 9 a.m. to 5 p.m., Monday, Jan. 17, the Martin Luther King Jr. holiday.

Admission to Chatfield Arboretum, the 700-acre natural area and historic farm at C-470 and Wadsworth Boulevard, will be free to Coloradans the first Saturday of each month, beginning Saturday, April 2, and ending Saturday, October 1. Hours of the arboretum are 9 a.m. to 5 p.m. each day.

"We hope the increased number of free times will enable more Colorado residents to enjoy our summer flowers and the beauty of our natural environment this coming year," said Daley.

He noted also that the free times offer DBG members an excellent opportunity to urge their nonmember friends to visit the Gardens and the Arboretum to become acquainted with the educational and recreational amenities they offer.

DBG's ability to increase its number of free admission times is made possible by funds received from the Scientific and Cultural Facilities District, which levies a one-mill sales tax in the counties of Adams, Arapahoe, Boulder, Denver, Douglas and Jefferson.



### Kid Around & Make a Pot For a Plant

Kids and their families can help prepare for spring by creating a clay pot at the "Kidding Around" program Saturday, January 15, from 10 a.m. to 2 p.m. The activity is *Make a Pot For Your Plant*. The pot can be used indoors now, or you can bring it to the "Kidding Around" activity on May 14 to plant it up for your home, deck or patio.

*Puppeteer Natasha la Gitana will perform for members and their families on January 29.*

### A Call for Teachers

Share your enthusiasm and your experience in natural sciences with others at DBG. The education department is seeking instructors for both children's and adults' classes in a variety of areas.

If you are interested in sharing your knowledge about the environment, gardening, habitats, animal tracks or other topics with students ages 3 to 103, please contact Adult Education Specialist Paula Ogilvie at 370-8041 or Youth Education Specialist Geri Warfield at 370-8043.







# JANUARY

## Coming Up

Classes are in italics. An \* indicates the first meeting of a class with more than one session. A ☼ indicates a class held at Chatfield Arboretum. For course information see the fall *Education Programs* quarterly, or call 370-8020.

- 5 *Herbs for a Healthy Winter Season*
- 7 ☼ \* *Bent-Willow Furniture Making*
- 8 *Identifying Colorado Conifers*  
*Plaited Elbow Basket*  
*The Winter Garden*  
\* *Young Botanical Illustrators*
- 9 *Behind-the-Scenes Greenhouse Tour*
- 10 \* *Beginning Landscape Architecture: Part II*  
\* *From the Ground Up: Designing Your Home Landscape*
- 11 \* *The Western Perennial Border in the English Style*
- 12 *The Magic Garden: Rainforest Rendezvous*  
\* *Watercolor Painting*
- 13 *InterScape 25*
- 15 Kidding Around: Make a Pot for Your Plant  
☼ *Avoiding Cold Feet*  
\* *Botany for Beginners*  
*Growing Plants Under Lights*  
*Seed & Nursery Catalog Blowout*

- 16 Opalanga Pugh: "Beneath the Baobab"
- 19 *Herbs & Spice & Everything Nice*
- 20 ☼ \* *Beginning Watercolor Painting: An Introduction to Landscapes*
- 22 *Going, But Not Gone*  
*Twill Basket*
- 23 *Herbed Vegetarian Delicacies*
- 24 \* *Winter Wonderland*
- 25 \* *Botanical Illustration: IV*
- 27 \* *Beginning Bonsai*
- 29 Natasha la Gitana: "Jeremiah in the Dark Woods"  
*A Sweetheart Wreath*
- 30 \* *Birds & Berries: Landscaping for Birds & Wildlife*

## February

- 1 \* *The Wild Gardener: Gardening for Backyard Wildlife*
- 2 \* *The Intermountain Garden*  
\* *Winter Tree Identification*

## DBG Offers Winter Classes for Children

DBG's children's classes offer educational alternatives for young scientists and artists.

Saturday, January 8, from 1 to 3 p.m., and continuing for eight Saturdays, *Young Botanical Illustrators* will encourage students aged 8 to 11 in drawing from nature. The instructor, Gundula Tournier, brings enthusiasm, experience and a love for drawing.

For children 5 to 7, Saturday, January 22, will offer a program on endangered plants and animals. *Going But Not Gone* will be from 9 to 11 a.m. It will be taught by experienced instructor Pattyanne Corsentino, who brings a creative, fun and energetic approach to all her classes.

Classes for preschoolers (ages 3 and 4) include *The Magic Garden: Rainforest Rendezvous* and *Winter Wonderland*. *Rainforest Rendezvous* will allow pre-schoolers to experience the marvels of a tropical rainforest with a parent or adult friend on Wednesday, January 12, from 9:30 to 11 a.m. *Winter Wonderland* is a four-session class that will focus on how plants and animals survive the cold winter months. Stories, snacks and activities specifically for younger students are facilitated by instructor Linda Fogel, who has been teaching at DBG for six years.







## Expert Floral Arranger Kenn Stephens To Lead Bonfils-Stanton Series

Kenn Stephens, a noted American floral arranger of international experience, will demonstrate his talents at Denver Botanic Gardens on Wednesday, February 23. He is first of five speakers in the 1994 Bonfils-Stanton Lecture Series.

Mr. Stephens has explored the strong relationship of garden design and the use of flowers and plants in both spaces. He regularly lectures, conducts seminars and leads annual study tours around the world to investigate design, horticulture and the fine arts. His extensive travels as a demonstrator and floral judge in the United States, England, Canada, Bermuda, Europe, Central and South America, New Zealand, Japan and Korea allow him to create new floral designs continually.

The 1994 programs are set for the fourth Wednesdays of the months of February, March, April, September and October. There will be two presentations each day, at 10 a.m. and 7 p.m. Tickets for the five-lecture series are \$30 for members and \$40 for non-members. Individual tickets are \$7 for members and \$10 for non members.

Other lecturers set at press time include distinguished ethnobotanist Dr. Richard Schultes, author and authority on perennials Christopher Woods, and woody-plant expert Peter del Tredici from the Arnold Arboretum of Harvard University.

The 1994 Bonfils-Stanton Lecture Series brochure will be sent to all members. To request another or to make reservations please call the education department office, 370-8020.

# NEWS

## Denver Botanic Gardens February 1994 Number 94-2



*New  
interpretive  
signs at  
Chatfield  
Arboretum,  
now open the  
year around,  
will heighten  
your enjoyment  
during a  
mid-winter visit.*

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## From the Executive Director

In the midst of winter we look fondly to spring bursting with new life, and bulbs emerging to signal that the season has changed. But we don't have to wait for springtime to enjoy the beauty of plants and landscapes.

DBG's Boettcher Memorial Conservatory and Marnie's Pavilion are alive with plants. A great respite from winter cold, they are filled with orchids, bromeliads, heliconias, palms and all manner of other tropical plants, many in full bloom.

On all but the most bitter days, I also encourage you to stroll through the Japanese garden, *Shofu-en*. Koichi Kawana designed this garden to be lovely in all seasons. When it is coated with snow, muffling all the urban sounds, it has a charm and peacefulness that is truly magical.

The plains garden also brings new images in winter. The graceful stalks of big bluestem and switchgrass, which once covered our prairies, are beautiful in the winter light, against the Colorado sky. And more grasses and trees are to be discovered at Chatfield Arboretum, along with one of the best times, away from the crowds, to enjoy the beauty of the Gardens and Chatfield Arboretum. Don't miss them.

—Richard H. Daley

## Tributes

### In honor of Ms. Elizabeth Robertson & Mr. Jeffrey C. Robinson

Dr. & Mrs. Arthur Robinson

### In memory of Mr. Harvey Bevier

AT&T 4E employees

### In memory of Mrs. Ruth Freed

Ms. Phyllis Van Engen

### In memory of Mrs. Elvia Gauss

Ms. Ginger Gauss  
Ms. Syd Glick  
Mr. & Mrs. Bert Hanou

### In memory of Virginia V. Haffner

Ms. Marian P. A. Miller

### In memory of Mr. Stanford Hyman

Mr. & Mrs. Rollin D. Barnard  
Mr. & Mrs. Jack Wilson  
Mr. & Mrs. John Taylor  
Mr. & Mrs. Seymour Simmons, Jr.  
Ms. Solange Gignac  
Mr. & Mrs. Burt Mugavero  
Mr. & Mrs. Warren A. White

### In memory of Mr. Jack Q. Jones

Mr. & Mrs. Herbert I. Jones

### In memory of Mr. Noland Norgaard

Ms. Kathleen Mc C. Price

### In memory of Ms. Helen Louise Parker

Ms. Elizabeth Heacock

### In memory of Ms. Kim Sterne

Mr. & Mrs. Bruce C. Sterne

### In memory of Ruth Porter Waring

Mr. & Mrs. Philip W. Emery

### In memory of Mrs. Adolf Zang, Sr.

Mrs. Charla G. Cannon

## Taxability of DBG Memberships For 1993 Income Tax

Internal Revenue Service guidelines state that a membership fee is deductible, less the fair market value of benefits received. Below are the basic fair market benefit values for each category:

| Membership Level              | Fair Market Value |
|-------------------------------|-------------------|
| Gardener (\$25)               | \$25              |
| Landscaper (\$35)             | \$32              |
| Arbor Circle (\$50)           | \$38              |
| Botanist Club (\$120)         | \$88              |
| Conservator's Society (\$240) | \$135             |
| Perennial Partners (\$500)    | \$173             |
| Four Seasons (\$1000)         | \$300             |
| Four Seasons (\$2500)         | \$560             |
| Four Seasons (\$5000)         | \$1,060           |

If you have questions about the tax deductibility of your membership please consult your tax advisor or the IRS.

## New Hours for the Helen Fowler Library

As part of an ongoing effort to reduce costs and increase institutional efficiency DBG's Helen Fowler Library will be closed Mondays, beginning this month. The library will now be open Tuesday through Sunday from 9 a.m. to 5 p.m.

## Employee of the Month

Susan Eubank, associate librarian, was chosen December's outstanding employee.

Susan volunteered to substitute for an area elementary school teacher so the teacher could get out of the classroom to attend an all-day seminar. It was part of Project SciSub, which recruited people from business and industry to relieve classroom teachers during the National Science Teachers Association convention. In order to do the kind of job that is typical of Susan's thoroughness, since it was not her area of expertise, she spent a good deal of time researching the subject in DBG's Helen Fowler Library and consulting with former elementary school teachers to be fully prepared for that third grade class.

Also a versatile DBG volunteer as well as employee, Susan dressed in costume for Goblins in the Gardens to entertain the children with stories, and she devotes every Tuesday to leading tours, planting and other jobs at Chatfield Arboretum.

For a job well done, wherever and whatever it may be, our congratulations, Susan.

PIPER JAFFRAY

## Corporate Friend of the Gardens

The investment banking firm of Piper Jaffray Inc. was established in Minnesota in 1895. Today, it operates in over 70 locations in 16 states and employs 2,600 employees. The firm provides individual investor, capital markets, and asset management services. In Colorado, Piper has five offices and over 170 employees. The firm's mission statement includes a commitment to contributing to communities in which the firm, its employees, and its clients live and work.

## Green Thumb News Number 94-2 February 1994

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206

Editor: Larry Latta, 370-8033

Deadline for April issue: February 18

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.





## Record Year for Four Seasons Affiliates Members

1993 was a record year for the Four Seasons Affiliates program at Denver Botanic Gardens. We ended the year with 99 members, up from 69 in 1992!

The Four Seasons are a special group of contributors who provide leadership support of \$1,000 or more to the Gardens annually. In 1993 we had a very special incentive to encourage new Four Seasons memberships through a challenge grant from the Hill Foundation. While we fell short of our goal of 100 members, the remarkable growth realized in the membership was rewarded with a contribution of \$10,000 from the Hill Foundation.

The Four Seasons are an important group who enjoy the beauty and the educational and recreational benefits of Denver Botanic Gardens while providing essential support to one of Denver's most important cultural facilities. We thank all the following 1993 Four Seasons members for their generous support.

### Anonymous

Mr. & Mrs. George G. Anderman  
Ms. Sue Anschutz Rodgers  
Mr. & Mrs. Dennis E. Baldwin  
Mr. & Mrs. Michael Baldwin  
Mr. & Mrs. Rollin D. Barnard  
Mrs. Katherine Willard Beise  
Mr. & Mrs. Bruce Benson  
Mr. E.R. Bigelow  
Mr. & Mrs. Peter H. Blair, Jr.  
Mr. & Mrs. Bjorn K. Borgen  
Mr. & Mrs. Charles Brega  
Mr. Alvin J. Burnett  
Mrs. Samuel Butler, Jr.  
Dr. William A. Campbell  
Mr. & Mrs. George R. Cannon  
Mr. & Mrs. William T. Carman  
Mr. & Mrs. Hugh Catherwood  
Mrs. Frances S. Charsky  
Mr. & Mrs. Douglas Childs  
Mr. & Mrs. Floyd Ciruli  
Mr. & Mrs. Michael Claffey  
Mr. & Mrs. William B. Collister  
Mr. & Mrs. F. Hayden Connor  
Mr. & Mrs. Edward P. Connors  
Mrs. Holland Coors  
Mr. James G. Coors  
Mr. & Mrs. James Cunningham  
Mr. & Mrs. Richard H. Daley  
Mr. & Mrs. Robert M. Danos  
Mr. & Mrs. Joseph S. Davis  
Mrs. Richard M. Davis  
Mr. & Mrs. Robert P. Davison  
Mr. & Mrs. Cortlandt Dietler  
Mrs. Cris Dobbins  
Mrs. Julia King Dobbins

Mr. & Mrs. Walter C. Emery  
Mr. & Mrs. John Falkenberg  
Mr. & Mrs. Charles C. Gates  
Mr. & Mrs. George C. Gibson  
Ms. Lynda Goldstein  
Mr. & Mrs. Newell M. Grant  
Mr. & Mrs. William G. Griffith  
Mrs. Ferris Hamilton  
Mr. & Mrs. Frederic C. Hamilton  
Mrs. J. Ramsay Harris  
Mrs. James R. Hartley  
Mr. & Mrs. Cannon Harvey  
Mr. & Mrs. William D. Hewit  
Mr. & Mrs. Harley G. Higbie, Jr.  
Ms. Joy Hilliard  
Mr. & Mrs. George Ireland  
Mr. & Mrs. Richard A. Kirk  
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Mr. & Mrs. Walter A. Koelbel  
Mr. & Mrs. James B. Kurtz  
Mr. & Mrs. William C. Kurtz, Jr.  
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Mr. & Mrs. J. Landis Martin  
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Mr. & Mrs. John C. Mitchell II  
Ms. Sara Mann Moore  
Mr. & Mrs. K. L. Nelson  
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Mr. & Mrs. Lester Pedicord  
Mr. & Mrs. Allan R. Phipps  
Mr. & Mrs. William H. Price  
Mr. & Mrs. John F. Rand  
Mr. Daniel L. Ritchie  
Dr. & Mrs. Arthur Robinson  
Gov. & Mrs. Roy Romer  
Mr. & Mrs. Lee E. Schlessman  
Mr. & Mrs. George J. Schmitt  
Mr. & Mrs. Jeffrey Schutz  
Mr. & Mrs. Donald E. Scott  
Mr. & Mrs. Warren Sheridan  
Ms. Fay Shwayder  
Ms. Cheryl Solich & Mr. John Kure  
Mr. & Mrs. John H. Stamper  
Mrs. Benjamin Stapleton  
Mr. & Mrs. Thomas Stephens  
Mrs. Charles S. Sterne  
Mr. & Mrs. Paul L. Swalm  
Mr. & Mrs. B.K. Sweeney, Jr.  
Mr. & Mrs. Thomas E. Taplin  
Ms. Nancy B. Tieken  
Mr. & Mrs. L. Clark Tierney, Jr.  
Mr. & Mrs. William R. Thurston  
Mr. & Mrs. Donald Todd  
Mr. & Mrs. Benjamin D. Trevor  
Mr. & Mrs. Richard Tucker  
Mr. John Turner  
Mr. & Mrs. John L. Tyler  
Ms. Carolyn C. Vickers  
Mr. & Mrs. James B. Wallace  
Hon. & Mrs. Wellington Webb  
Miss Janet Wierman  
Mr. & Mrs. John D. Woods

## New Memorial Fund Will Support Volunteerism 3

The family and friends of Elvia V. Gauss have established a memorial fund in her name that will allow the Gardens to enhance its volunteer program. According to Ginger Gauss, Elvia's daughter-in-law, "The fund will support, with the assistance of staff, an appreciative and educational observance of gratitude by the Gardens, to all the volunteers who work there."

Elvia Gauss, who passed away December 12, 1993, was a dedicated, longtime volunteer for the Gardens. She spent many days working in the Gift Shop fabricating and repairing objects broken during shipping, taking care of customers and organizing displays. She created many of the beautiful bookmarks for sale at the Gift Shop and special sales. Mrs. Gauss continued her contributions until close to her death.

Through the newly established memorial fund, her family wishes that Mrs. Gauss' work and the work of all volunteers be especially recognized by the management of Denver Botanic Gardens.

Contributions to the Elvia V. Gauss Memorial Fund are still being accepted. Checks should be made to Denver Botanic Gardens.

## Trustee Inducted into Floral Hall of Fame

Gordon Koon, a three-year Denver Botanic Gardens Trustee, has been inducted into the Colorado Floriculture Hall of Fame by the Colorado Floriculture Foundation. He is one of twelve people who have been honored in the foundation's six-year history. He recently retired as the foundation's charter president.

Koon is owner of Englewood Garden Center, a strong corporate supporter of DBG, and a recognized leader in the floriculture industry. His thirty-year career has been marked by innovation and a commitment to research, especially in new techniques for growing and marketing carnations, for which he has garnered many awards. In 1969 he received the Colorado Flower Growers Association Distinguished Service Award, and in 1975 its Award of Special Recognition.

Koon has announced his intention to leave the DBG Board of Trustees this year, to encourage other industry leaders to actively participate in the Gardens' development.



## 4 Exotic Bromeliads Are Varied, Adaptable House plants

Denver Botanic Gardens has one of the most extensive public bromeliad collections in the United States. Many of these plants are on display year-round in Boettcher Memorial Conservatory and Marnie's Pavilion. Thousands of others are maintained in the working greenhouse below the Marnie's Pavilion display area.

### What are they?

Most people are familiar with at least a few kinds of bromeliads, and have even eaten them on occasion—at least their fruit. The pineapple, *Ananas comosus*, a commonly consumed fruit in the United States, belongs to the family Bromeliaceae. Another well-known bromeliad is Spanish moss, *Tillandsia usneoides*.

There are over 2,000 species of bromeliads. Most are similar to the pineapple plant in form: a rosette of leaves on a seemingly non-existent stem. At maturity they may be smaller than the width of your thumb, or up to 35 feet tall.

Bromeliads grow from the warmer subtropical regions of southeastern United States, throughout Central and South America, to approximately 500 miles north of the southern tip of Argentina. One exception to this Western Hemisphere nativity, a *Pitcarnia* species, grows in tropical West Africa.

While the pineapple and many other bromeliads are terrestrial (living on the ground), the majority are epiphytes, growing upon trees and shrubs. They are commonly called "parasitos" in Spanish-speaking countries, but they are not parasites. They derive no sustenance from their host plants; the main function of their wiry roots is to attach them firmly to their hosts. They take up water and nutrients from the air through leaf scales called trichomes.

Trichomes appear as a silver, powdery substance or as silver hairs on the surface of the leaves. They serve to protect the plant from too much sun and heat.

Generally, the drier and hotter the conditions in which a species grows, the more trichomes it has developed. Some bromeliads have so many trichomes they appear completely silver. Members of the genus *Tillandsia* are such plants and are most often found growing in dry forests, even deserts. Those bromeliad species with very few scales live in cloud forests or rainforests. They also have in their centers cups or

vases, which act as reservoirs, catching and storing water. The genera *Aechmea*, *Guzmania* and *Vriesea* are the most common of this type.

In addition to their beautiful foliage many kinds have very striking inflorescences that may last a few days or as long as a few months. Most flowers are surrounded by colorful bracts which serve to attract a pollinator to the blossoms.



### How to Grow them

Because most bromeliads are native to the tropics they adapt well to indoor, house plant conditions.

They tolerate temperatures from 50°F to above 90°F without adverse affect, but prefer the range between 70°F and 85°F.

Some grow well under low light conditions. Examples are guzmanias, vriesas and vase type tillandsias. But many prefer very bright light. Those with variegated, brightly colored or silvery leaves, as well as those with barbed leaf edges, like to be grown in extremely bright light. This includes aechmeas, neoregelias and silver-leaved tillandsias.

Bromeliads can be grown as epiphytes, mounted on a piece of driftwood or other rough wood, tied with thin, plastic coated wire or monofilament fishing line. Thoroughly drench these epiphytes every day in spring, summer and fall. Drench them about three times a week during the winter months.

They may also be grown in pots. Use a well-drained medium, such as

three parts medium-sized fir bark, one part soil-less potting mix and one-half part coarse perlite. Most bromeliads grown in pots prefer to be kept moist (not wet!). If a plant has a cup in the center of its leaves, it should have fresh water added a few times a week.

Generally, bromeliads don't need fertilizer; it causes their naturally uniform growth to stretch.

From its first appearance, a flower spike may take up to six weeks to fully develop and blossom. During or after this process the plant will sprout offshoots, or "pups." These are the beginnings of new plants.



When pups are one-half to three-quarters the size of the parent they can be removed and potted or mounted to start new plants. As part of its natural cycle, the parent will eventually die.

Like many other house plants, bromeliads can be a bit of a challenge. But with a little knowledge you can select the right kinds for your particular growing areas, and these wonderful plants will quickly take their place among your favorites.

—Gary Davis,  
DBG Greenhouse Manager

Gary Davis will  
speak to new  
members about  
Bromeliads  
February 9.



## From the 1994 Plant & Used Book Sale Chairman



Spring is just around the corner and, believe it or not, so is the 45th annual Plant and Used Book Sale!

Over a half-million plants are being seeded, pinched back, transplanted and grown on—readying them for the sale May 5, 6 and 7.

Throughout the autumn and winter, every sale division chairman and their cochairmen from A to X—annuals to xeriscape—have been searching for new and improved varieties suitable for Colorado's growing conditions. They have been perusing gardening books and seed catalogs, exploring greenhouses and nursery yards and spending innumerable hours choosing the newest and greatest plants for the sale.

The Plant and Used Book Sale simply would not be possible without the generous dedication of the division heads and the other workers who volunteer their valuable time and expertise. The sale occurs at the busiest time of the planting and selling season, but these people take time from their own gardens and businesses to ensure the sale's success, the Gardens' largest fund-raiser. In addition, people all over town have been donating their used books and other items for the event.

The sale committee has been meeting since November to ensure that the 1994 sale runs smoothly. They have developed plans to improve the marketing, the pricing, the checkout procedures, customer service, food concessions and transportation.

Scores of plant experts will be on hand to answer your gardening questions and assist you in selecting your plants. Shopping begins with "The Flowering of Denver" preview party Thursday, May 5, and continues Friday and Saturday, May 6 and 7. DBG members, seniors 65 and older, and the handicapped have shopping all to themselves from 8:30 to 10 a.m. on Friday and Saturday.

The sale is always an exhilarating and flowery event. You can be a part of the fun by phoning to volunteer your services: 758-6890. You do not have to be knowledgeable about plants to help out.

Traditionally, gardeners in the Rocky Mountain region have set their gardening calendars by opening day of the sale. With spring just about here, it's time to think Plant and Used Book Sale.

—Carol Schutz

## Winter Children's Classes at York St., Chatfield Arboretum

In February DBG offers several classes for children 3 to 11. For preschoolers aged 3 and 4 *The Magic Garden: A Bird Abode*, Wednesday, February 9, will encourage children to build a bird house to take home. They will also explore the mysteries of bird migration and enjoy a snack that birds would find tasty too! Cost for one child-and-adult pair for the 9:30 to 11 a.m. class is \$12 for DBG members, \$15 for nonmembers.

Also for preschoolers is *Winter Rainbows* Monday through Thursday, February 14 to 17. This course, which meets from 9:30 to 11 a.m., will provide an opportunity for students to explore the hidden colors of winter, inside and out. Cost for the four-sessions is \$40 for members; \$45 for nonmembers.

*Valentine Bouquets* on Saturday, February 5, at Chatfield Arboretum is for children ages 5 to 11. Students will learn how to make spring flowers come alive in the middle of winter, and will create a spring bouquet. The class meets from 9:30 to 11:30 a.m.; cost for members is \$15, \$18 for nonmembers.

Two other courses for 5- to 7-year-olds are *Making Paper* on Saturday, February 19, and *Animal Tracks* at Chatfield Arboretum on Saturday, February 26. Both classes meet from 9:30 to 11:30 a.m. Making Paper helps students become better recyclers by creating paper from used materials at home. Students in Animal Tracks will investigate how animals move and what types of animals live at the Arboretum by looking at tracks. Cost for each class is \$15 for members, \$18 for nonmembers. For more information or to register call 370-8020.

## 'Kidding Around': Heart to Heart

Follow tradition—or assert your individuality—to create a valentine during Heart to Heart, this month's "Kidding Around" activity, on Saturday, February 12, from 10 a.m. to 2 p.m.

Families will have an opportunity to construct a valentine from doilies or create a flower boutonniere. The activity in DBG's lobby court is for kids of all ages and is included in the standard admission fees (no charge to members). Show someone special how much you care this Valentine Day by sharing your creativity.

## Teacher Training

Teachers are invited to attend a special two-session training course at DBG February 26 and March 12 to learn about plants and how they can be used in the classroom.

The class, *Branch Out: Basic Plant Science for Teachers*, is designed for teachers of kindergarten through high school. It explores the basics of botany and horticulture to increase the awareness and comfort level of educators. Morning informational sessions each day will be followed by fast-paced, hands-on activities and projects that can be used in the classroom.

One credit of graduate recertification credit is included in the registration fee of \$90. For general information about the course contact youth education specialist Geri Warfield at (303) 370-8043. To register contact the Colorado School of Mines at (303) 273-3303.



DBG's  
plains garden  
represents  
several different  
grassland  
habitats of  
Eastern Colorado.



## From Your Membership Office:

### Warm Thoughts for a Cold Day

Remember that your membership card serves also as a DBG library card. The DBG Helen Fowler Library is a real treasure that we hope you utilize frequently: Browse through the many gardening and nature periodicals and catalogs. Find out about small home greenhouses. Look up the plants you will be seeing on your vacation cruise in the Caribbean. Let your kids enjoy the great books in the children's section. Take home a few books to study further at your leisure. And be sure to ask the librarian about the convenience of returning DBG library books at your local public library.

Your membership also gives you substantial discounts on classes, held year-round at the Gardens, and 10 percent off \$10-or-more purchases in the Gift Shop. Be sure to take full advantage of all these benefits!

### New Members' Party February 9

New members: please join us in John C. Mitchell II Hall Wednesday, February 9, from 7 to 8:30 p.m. for a New Members' Party. It will feature a presentation on Bromeliads by DBG's greenhouse manager, Gary Davis. He will share an informative and exciting slide presentation and a display of plants from DBG's large bromeliad collection.

The party will also offer musical entertainment, wine and other beverages, and cheese. There will be no charge for new members and their guest, but reservations are required. Please call Amy Capra, 370-8021.

### Three-Year-Old Names Bee 'Honey'

Three-year old Chloe Peterson, daughter of Eric and Lane Peterson of Denver, contributed the winning name for the DBG bee mascot. Her suggestion: "Honey."

The bee-costumed Honey will be a promotional helper for the membership department at DBG events. You may not have seen it yet, but you will. Honey made its debut during December's "Blossoms of Light" festivities.

A contest to name the mascot was announced in the November issue of the Green Thumb News. Over 200 fun and creative entries were submitted by members from 1 to 89 years of age.

Be sure to look for Honey buzzing around upcoming DBG events!

## Summer Internship Applications Due Mar. 1

The deadline for applying for Denver Botanic Gardens' Internships in Applied Horticulture is March 1. The internships, this year from June 6 to August 12, will offer four students the opportunity to work alongside the Gardens' professional gardening staff to learn the daily operations of a public display garden. Field trips, special projects and lectures will emphasize Front Range horticulture.

Applicants must be currently enrolled in college; preference will be given to residents of, or students in, the states of Colorado, Montana, New Mexico, Utah and Wyoming. For more information call 370-8041.

## Free Days at Tier I Cultural Facilities

Funds from the Scientific and Cultural Facilities District will make it possible for Denver's Tier I facilities to offer the following free days in February.

- Denver Art Museum: every Saturday.
- Denver Zoo: February 21.

The next free days at Denver Museum of Natural History and at Chatfield Arboretum are in April. Denver Botanic Gardens has scheduled free mornings each Sunday, June through September 4.

Proof of Colorado residency is required to receive these admission waivers.



## Few Spaces Left for DBG Journey to Belize

Very few spaces remain for DBG's exciting journey to Belize February 11 to 20. Although the deadline for reservations has passed, you may still be able to squeeze in, if you call immediately.

The tour will be led by experienced guide Barbara Baldwin and DBG's director of horticulture James Henrich. It will include the fascinating Tikal

National Park, Crooked Tree Wildlife Sanctuary, anthropological excavations and a canoe trip.

All meals are provided, and the first-rate accommodations will be all that you could ask for.

If you feel like a spontaneous escape to the tropics, call for your reservation today: 783-0010.

*DBG bee 'Honey' meets Chloe Peterson, who provided the mascot's name.*



## Mixed-Border Seminars Feature Nationally Known Horticulturists

Two exciting seminars Thursday and Friday, February 17 and 18 will help gardeners master the complexities of traditional mixed borders and adapt the concepts to Western gardening. February 17 Horticulture Magazine will present "Mastering the Mixed Border" on design, plants and garden style. Then DBG will offer a complementary program, "Piñons and Penstemons: Perennials for the West," on Friday, February 18 that will take a closer look at the challenges and rewards of Rocky Mountain gardening. Participants may attend one or both days.

"Mastering the Mixed Border" will feature Penelope Hobhouse, an internationally known and respected gardener, designer and author; Dan Hinkley, co-owner of Heronswood Nursery, who just published his first book, *Winter Ornaments*; John Greenlee, owner of Greenlee Nursery and author of *The Encyclopedia of Ornamental Grasses*; and Lauren Springer, award-winning writer for the *Denver Post*.

"Piñons and Penstemons: Perennials for the West," features local experts Jim Knopf, landscape architect and author of *The Xeriscape Flower Garden*; Al Rollinger, influential Rocky Mountain landscape architect; Angela Overy, author of *The Foliage Garden, Creating Beauty Beyond Bloom*; Larry Watson, one of the regions most knowledgeable plantmen; and Andrew Pierce, DBG's plant propagator whose home garden has been featured in many national horticultural magazines. The program concludes with a panel discussion by top local horticulturists: Rob Proctor, Panayoti Kelaidis, Harriet McMillan, Kelly Grummons and Andrew Pierce.

The registration fee for both days, February 17 & 18, is \$131 for DBG members, \$144 for Horticulture Magazine subscribers, \$157 non-members and \$85 for students. The price for only "Mastering the Mixed Border," February 17, is \$89 for DBG members, \$99 for Horticulture Magazine subscribers, \$109 for non-members, and \$58 for students. For "Piñons and Penstemons: Perennials for the West," on February 18, the fee is \$50 for members, \$60 for nonmembers and \$38 for students. Registration includes all accompanying handouts, refreshments and lunch. Lunch is not included in the student registration fee. To register, please call 370-8020.

## WILDFLOWER TOUR: DURANGO, OURAY & TELLURIDE

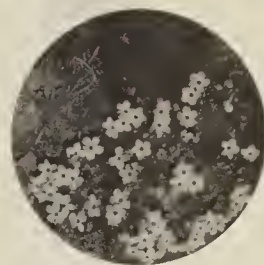
JULY 8-12, 1994

Come join your fellow Denver Botanic Gardens members for a five-day, four-night tour of some of Colorado's most spectacular scenery and fabulous wildflowers.

Highlights of the trip include:

- Deluxe motorcoach transportation.
- Jeep tours to Yankee Boy Basin, Richmond Basin and Imogene Pass.
- Most meals included, such as dinner in a private home in Durango, dinner in a well-known Telluride restaurant and picnic lunches among the wildflowers.
- Accommodations include two nights at the deluxe Peaks at Telluride Resort (formerly the Doral), one night at the Red Lion in Durango, and one night in Ridgeway.
- Wildflower identification handouts.
- Fully escorted by Barbara Baldwin and Sissy Gibson.
- Space is limited to 18 physically active participants.

Cost: \$695 per person based on double occupancy. Single person hotel supplement is \$273. \$150 per person deposit is required to secure space, which will be confirmed in the order in which checks are received. Final payment is due May 10, 1994.



### DURANGO, OURAY & TELLURIDE WILDFLOWER TOUR JULY 8-12

Please reserve \_\_\_\_\_ places for the Durango, Ouray, Telluride Wildflower Tour, July 8-12, 1994. A deposit check for \_\_\_\_\_ (\$150 per person) is enclosed.

Name(s) \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Home Phone \_\_\_\_\_

Work Phone \_\_\_\_\_

Single room? \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_

Work Phone \_\_\_\_\_

Enclosed is my check for \$ \_\_\_\_\_ to Denver Botanic Gardens.

Charge registration to ☐ VISA ☐ MC

# \_\_\_\_\_ Exp. \_\_\_\_\_

Signature \_\_\_\_\_

Cost of the tour is \$695 per person based on double occupancy. Single person hotel supplement is \$273. Final payment is due May 10, 1994. Please make check payable to Denver Botanic Gardens and mail with registration to 909 York Street, Denver, CO 80206, attn: Teresa Valdez. Telephone orders: 370-8064.

Questions? Please call Barbara Baldwin, 783-0010, or Sissy Gibson, 744-0282.

REGISTRATION



Denver Botanic Gardens, Inc.

909 York Street

Denver, Colorado 80206

303-331-4000 • 370-8032 TDD

Address correction requested

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Permit No. 205

Denver, CO



# February

Classes are in italics. An \* indicates the first meeting of a class with more than one session. A ☼ indicates a class held at Chatfield Arboretum. For course information see the fall *Education Programs* quarterly, or call 370-8020.

## February

- |    |  |    |   |
|----|--|----|---|
| 1  | <i>*The Wild Gardener:<br/>Gardening for Backyard Wildlife</i>   | 15 | <i>*The Beginning Gardener<br/>French Garden</i>  |
| 2  | <i>*The Intermountain Garden<br/>*Winter Tree Identification</i>   |    | <i>*Fruits for the Home Garden</i>  |
| 3  | <i>*The Easy Flower Garden</i>   | 16 | <i>The ABCs of Pruning</i>  |
| 4  | <i>*A Grandmother Basket</i>   | 17 | Seminar: Mastering the Mixed Border   |
| 5  | ☼ <i>Beginning Beekeeping<br/>*Propagation Workshop</i>  | 18 | Seminar: Piñons and Perennials  |
| 7  | <i>*Beginning Landscape Architecture: Part III<br/>*Landscape Plants for Professionals: Part I</i>             | 19 | <i>*Beginning Flower Arranging</i>  |
| 9  | <i>Designing Your Herb Garden<br/>New Member's Prty—Free!</i>  | 20 | <i>Behind-the-Scenes Greenhouse Tours<br/>*Vegetable Gardening for Results</i>                    |
| 10 | <i>*Intermediate Bonsai: A Maple Grove</i>   | 21 | <i>*From the Ground Up:<br/>Designing Your Home Landscape</i>                                     |
| 12 | <i>Herbal Topiaries for Valentine's Day<br/>☼Western Dryland Perennials<br/>Kidding Around: Heart to Heart</i> | 24 | <i>*Low-Water Plants for Beautiful Gardens</i>  |
|    |  | 26 | <i>Close-up Flower Photography<br/>*The Easy Orchid<br/>☼Native Edible &amp; Medicinal Plants</i> |
|    |  | 27 | <i>Hearty Italian Soups</i>   |

## Intro. To Guide Training Begins March 15

*Experiencing  
reverse vision,  
diminished vision  
and other  
reductions in  
ability helps DBG  
Sensory Guides  
learn their jobs.*

If you like plants and would like to share your interest and enthusiasm with others, Denver Botanic Gardens has a place for you in its corps of volunteer guides.

New guides are required to take the two-session Introduction for Tour Guides, which will cover the basics of guiding, an overview of the Gardens and the specialized guiding programs available. It meets 8:30 a.m. to noon on March 15 and 22.

Following completion of this prerequisite course, students may attend classes to become a guide in one or more of the following programs: Outdoor, Sensory, Chatfield Arboretum Naturalist Guides or Preschool. Graduates are expected to lead tours at least twice each month. For more information, or to register, please call the education office at (303) 370-8020.





## Five Elected to DBG Board of Trustees

At its January meeting the Denver Botanic Gardens Board of Trustees elected four members to serve three-year terms and in February seated a trustee appointed by Mayor Wellington Webb to replace Judge Roger Cisneros, who resigned.

The new trustees are civic volunteer Ginny Freyer, nurseryman Alex C. Gerace, architect Stanley S. Pouw, educator Jane W. Urschel, and, the mayoral appointee, lawyer Barbara Georgia Maes.

Freyer's volunteer activities have centered around gardening and the well-being of children. A member of the Garden Club of Denver, she was active in Denver Botanic Gardens' Fete des Fleurs and Flowers and Art fund-raisers. She was also a fund-raiser on the executive parent council of Graland School, the founder of the children's hockey program at Denver Country Club and a volunteer in the physical therapy program at Children's Hospital.

Alex Gerace is the general manager and president of Welby Gardens Co. Inc., a bedding plant nursery. He is active in the major nursery organizations of Colorado. He has been an officer on the boards of Colorado Bedding and Pot Plant Association, Colorado Greenhouse Growers Association and Garden Centers of Colorado. For the past year he has served on DBG's plant collections subcommittee, which he will chair.

Gerace is the marketing innovator behind the sales success of Hardy Boy Brand Bedding Plants. He received the 1989 Rocky Mountain Master Agri-Marketer Award. This year he was named Colorado's Green Industries Man of the Year.

Jane Urschel is Colorado Association of School Boards' director of government relations and the executive director of the Colorado Literacy Assistance Center. She is a former board member of the Jefferson County School District and she served on the Colorado All-State Board of Education in 1992.

Urschel's recent civic activities include service on the Colorado Association of Commerce and Industry Task Force on Education, on the Scientific and Cultural Facilities District 1% Discretionary Funds Committee, on the Colorado Association of School Boards' Legislative Committee and on the board of Colorado Common Cause. She is a member of West Chamber of Commerce and of the Civic and Education Advisory Committee of The Denver Foundation. She will chair DBG's education and public programs subcommittee.

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# Green Thumb NEWS



Denver Botanic Gardens  
March 1994  
Number 94-3

## 'Summer Harvest' Chosen for Plant Sale Poster

Artist Jennifer Azadmanesh's "Summer Harvest" was chosen for the 1994 DBG Plant and Used Book Sale poster.

The brightly colored acrylic still life represents a departure from past sale posters, all of which offered impressionistic scenes of Denver Botanic Gardens. With its pure colors and use of non-traditional perspective, Azadmanesh's piece, a view of sunflowers beyond a green chair, purple windowsill and orange curtains, evokes thoughts of Picasso or Chagall.

Of her work, the artist says, "By adding a twist and abstraction to the still life, I feel I bring the viewer closer

to an appreciation of everyday objects. By over-dramatizing color, shape and composition, my hope is, the viewer will take it as a visual cue to analyze the mundane."

Azadmanesh has exhibited throughout the metropolitan area. She won "best of show" in the 10th Annual All-Colorado Art Show in Greenwood Village in 1992. The Denver artist's works—acrylics and montages—are shown by 1/1 Gallery ("One-Over-One") in lower downtown.

Azadmanesh is one of 63 who entered their works for the DBG

*continued on page 3*



'Summer Harvest'  
by Jennifer  
Azadmanesh

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Smokey  
Mountains Tour  
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## From the Executive Director

It stretches the literary talents to try to summarize the terrific accomplishments of the staff and volunteers during 1993. What an active year!

We launched the largest capital fund drive in the history of the Gardens, with a goal of \$7.9 million to provide a new Children's Garden, the renovation of the Boettcher Conservatory and a new Romantic Gardens complex.

All our regular visitors noted dramatic enhancements to the quality of our horticulture, with improvement in virtually every garden.

Similarly, the education programs had another triumphant year, with lots of new programs and activities for children, families and adults.

Two major new festivals had their advent last year, the Japanese Festival and the Chile Harvest Festival.

We reached an all-time high for major annual donors—our Four Seasons Affiliates—with a one-year increase of 42 percent. Total membership reached 12,000.

The volunteers have donated extraordinary amounts of time—a new record—in every area of activity.

We ended the year with a balanced budget, a particularly difficult feat, given the loss of at least \$75,000 in SCFD funding, based on the limitations set by Amendment I.

This leaves us in an excellent position to continue our current programs and take on new opportunities to meet the needs of members and the community in 1994.

—Richard H. Daley,  
Executive Director

## A Corporate Friend of the Gardens

Englewood Garden Center & Florist is a complete service FTD florist and garden center

offering foliage and flowering plants, bedding plants, perennials, nursery stock, plant accessories and gift items. The Botanical Paradise aptly describes the greenhouses. Quality-Service-Selection is the center's slogan.



## Free Admission at SCFD Tier I Institutions



Funds from the Scientific and Cultural Facilities District will make possible the following free days at Denver's Tier I cultural institutions in March:

- Denver Art Museum, every Saturday.
- Denver Zoo, Tuesday, March 15.

The next free days at Chatfield Arboretum and Denver Museum of Natural History are in April. The remaining free times at Denver Botanic Gardens, 1005 York St., will be during the summer.

## Children's Classes

Children 3 to 11 have several opportunities to investigate plants and natural science in March. For ages three and four and an adult, *The Magic Garden: Plants to Drink* on Wednesday, March 16, will explore the uses of plants for beverages as well as foods. Cost for each child- and-adult pair for the 9:30 to 11 a.m. class is \$12 for members, \$15 for nonmembers.

Students 8 to 11 years of age can use their creativity March 5 from 9:30 to 11:30 a.m. during *Dye-namic Colors*. The standard course focuses on plants to create colorful dyes for fabric, yarn or paint. Students need to bring an apron or an old shirt as well as a plain white T-shirt to decorate. Cost for the class is \$12 for members and \$15 for nonmembers.

Saturday, March 19, is the day for 3-to-7-year-olds to experiment with coloring eggs. Preschoolers will meet from 9:30 to 11 a.m. Students five to seven years old will meet 9:30 to 11:30 a.m. Kids should bring their creativity and a dozen hard-boiled eggs from home. Cost for each class is \$12 for members, \$15 for nonmembers. To register please call 370-8020.

## Guide Training Mar. 15

Spring into a great opportunity to volunteer in one of five guiding programs at Denver Botanic Gardens. Training starts this month.

*Introduction for Tour Guides* is a two-session prerequisite course that meets March 15 and 22 from 8:30 a.m. until noon. Your interest in gardens and sharing information with others is all that you need! For details on the program, please call Youth Education Specialist Geri Warfield at (303) 370-8043. To register, please call the education office at (303) 370-8020.

## Tributes

### In memory of Ebbe Bork

Mr. & Mrs. Bob Crowley  
Mr. & Mrs. Mick Lippincott  
Ms. Mary Lou Hoffman  
Ms. Arlene Lebsack

### In memory of Mr. & Mrs. Robert A. Brobst

Mr. & Mrs. Robert B. Brobst  
Mr. Robert L. Goo

### In memory of Elvia Gauss

Ms. Fayette M. Austin  
Ms. Ann P. Esposito  
Mr. & Mrs. Thomas G. Fails  
Mr. & Mrs. Robert H. Fennell, Jr.  
Mr. & Mrs. John Gaylord  
Ms. Leone M. Hill  
Ms. Helen C. Linger  
Mr. & Mrs. Frank E. Mouffe  
The Park Hill Garden Club  
Mr. David C. Ptolemy  
Mr. & Mrs. Anthony V. Ragona  
Mr. & Mrs. Alan T. Sprigg  
Ms. Fern A. Stone  
Ms. Ruth M. Tempel  
Mrs. Joyce Tracy Thode  
Mr. & Mrs. John I. Turner  
Mr. & Mrs. Rod D. Wicklund  
Mr. & Mrs. Donald D. Witherspoon

### In memory of Margaret Gillen

Mr. & Mrs. David M. Abbott

### In memory of Dr. D.H. "Sam" Mitchel

Colorado Mycological Society

### In memory of George Muller

Mr. & Mrs. David C. Irvine

### In memory of Ann Thompson

Mr. & Mrs. Mark Mills

### In memory of Ruth Porter Waring

Mrs. Anne Waring Maer

## Green Thumb News Number 94-3 March 1994

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206

Editor: Larry Latta, 370-8033

Deadline for May issue: March 18

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.





## Rose Symposium To Guide Growers Through the Year

The annual symposium by the Denver Rose Society Saturday, March 5, will help growers through four seasons of roses. Titled "A Year To Get Started with Roses," the symposium will offer month-by-month tips, as well as discussions of more general topics.

Speakers will be Mary Jo Brown on January to March, Laura Cutler on April and May, Geraldine Boller on June, and Susan Bishop on July to December. In addition, Royal Franklin will share his expertise on fertilization, David Littman will introduce the new David Austin English roses, and Margaret Drucker will speak on old garden roses.

Abundant educational material will be available, as will be regional rose growing experts.

The symposium will be in John C. Mitchell II Hall, 1005 York St., 9:30 a.m. to 1 p.m.

Please note that the date is a change from DBG calendar of events you have received. For more information, please call 422-5905.

## African Violet Sale Saturday, March 12

The Rocky Mountain African Violet Council will hold its annual spring sale at the Gardens Saturday, March 12, from 9 a.m. to 4:30 p.m. Part of the proceeds will benefit Denver Botanic Gardens. For more information, please call 258-7698.

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poster contest. "Summer Harvest" was chosen from 85 entries by judges Bill Charney, executive director of Cherry Creek Arts Festival; Harriet Kelly, president of Art Students League of Denver and a member of the Garden Club of Denver; and Allison Sundine, a graphic artist at Denver Museum of Natural History and a volunteer at DBG.

Savageau Gallery will mount a public exhibition of 40 of the contest entries April 29 to May 15. A preview for DBG members will be April 28.

The original "Summer Harvest" will be raffled by Garden Club of Denver members for the benefit of the Gardens. Tickets will be sold at DBG events and at the sale May 6 and 7. The decorator posters will be sold at the sale and in the DBG Gift Shop. They will be available in April.

## From Your '94 Plant and & Book Sale Chairman:

The weeks between hard frost and tilling time are too long, but spring relief is on the way. And already there have been lots of opportunities to get our fingers into the soil. One of the gardening jobs we can do safely this time of year is dividing perennials, so here's a reminder:



### Donation division needs help

How about potting up your extra divisions and stray seedlings for the Plant Donation Division of the sale? And, when you have finished with that, how about volunteering to come to the Gardens to help dig, divide and pot up plants from the Gardens' collections? Digging will begin March 31 and continue every Tuesday and Thursday until the sale. If you would like to help, please call Marilyn Moore, 388-6934, or Anne Bobal, 751-9078.

### Sneak preview: new & unusual

There are so many new and wonderful plans underway for the 1994 Plant and Used Book Sale we could fill this entire issue of the *Green Thumb News*. Here are a few tidbits.

The Vegetable Division will offer nearly 100 different varieties for sale, including 27 kinds of tomatoes. The most exciting vegetables this year? Artichokes. They are beautiful, ornamental plants and, yes, you will be able to harvest edible artichoke buds. And if you forget to pick them young, they will open into one of the most dramatic cut flowers you can imagine.

The Rose Division has ordered luscious David Austin English roses and many All-America Rose Selection winners from years past. Here's an added customer service: If you have a particular variety in mind, especially an old garden rose, you can special order. Call division chairman Geraldine Boller, 422-5905, before mid-April. She will find your rose and have it waiting for you at the sale.

The Fruit and Berry Division promises blueberries, black currants and the Flower of Kent apple—reputedly the one that started Sir Isaac Newton on his way to physics fame.

### Take a chance on poster original

Members of the Garden Club of Denver are again selling raffle tickets for the original painting chosen for this year's Plant and Used Book Sale poster. The drawing for the dynamite work of art—"Summer Harvest" by Jennifer Azadmanesh—will be held May 7. You will have many opportunities to buy a book of tickets before the sale, or at the sale itself. Once you see the original painting, you will want to own it.

### Volunteer positions still open

Volunteers are still needed in all divisions of the sale. Orientation for new volunteers will be 3 p.m. Sunday, April 24; cashier orientation is scheduled for 5 p.m. Monday, April 25. To offer your valuable services, please call Sally Conover 777-1166.

In the meantime, stay caught up on your gardening at home so you can volunteer at the Gardens May 6 and 7!

—Carol Schutz



Artist Jennifer Azadmanesh (center) presented her winning painting "Summer Harvest" to '94 Plant and Used Book Sale chairman Carol Schutz (left) and cochairman Mary Ann Conner at a Jan. 26 breakfast in the artist's honor.



## DBG Welcomes New Upper Level Members

As we reported in the February issue of the Green Thumb News, 1993 was a banner year for the Four Seasons membership level. There is even more good news:

- We reached the goal of 100 Four Seasons members. The 100th membership arrived in the mail just after we went to press for the February issue.
- The next highest membership levels, Perennial Partners, Conservators Society and Botanist Club, also showed good year-end growth.

We are pleased to welcome our new and renewing upper level members for year-end 1993:

### Perennial Partners

Mr. & Mrs. Stephen McDonald  
Mr. & Mrs. Peter K. Roosevelt  
Dr. & Mrs. Dilworth P. Sellers

### Conservators Society

Mr. & Mrs. Bruce D. Alexander  
Mrs. Catherine H. Anderson  
Ms. Mary G. Armour  
Dr. & Mrs. S. Gilbert Blount  
Mr. & Mrs. Richard Elsner  
Dr. & Mrs. Gordon W. Petersen  
Dr. & Mrs. Jack O. Stoffel  
Mr. & Mrs. Leonard Strear  
Mr. & Mrs. Dean Vette

### Botanist Club

Mr. & Mrs. Jon Abbott  
Mr. & Mrs. David L. Alsager  
Dr. & Mrs. Richard L. Angstadt  
Mr. James Banman  
Ms. Linda K. Barclay  
Mr. C. Thomas Bastien  
Mr. & Mrs. Robert D. Benson  
Mr. & Mrs. James Bessinger  
Mrs. Margaret D. Binet, C.P.C.F.  
Ms. Janelle Blair  
Ms. Ardith Blessinger  
Mr. & Mrs. Robert G. Bonham  
Mrs. Viola Boothby  
Mr. & Mrs. Eugene Bowers  
Mr. & Mrs. Mackintosh Brown  
Mr. & Mrs. Robert G. Brown  
Mr. & Mrs. Gordon W. Brown  
Ms. Carol A. Buckley  
Mrs. Charla G. Cannon  
Mr. & Mrs. Julius J. "Lou" Carey  
Ms. Jodi Ann Chambers  
Mrs. Barbara Chambless  
Ms. Phyllis M. Clark  
Ms. Elizabeth Clawson  
Mrs. Joan Clayton  
Ms. Rhonda Clement  
Ms. Janet Cline  
Mr. & Mrs. David Coder  
Mr. & Mrs. Adolph Coors, IV  
Ms. Susan Crane  
Mr. & Mrs. Gary Cummin  
Dr. & Mrs. Scott K. Cunningham  
Mr. & Mrs. Ronald T. Davis  
Mr. & Mrs. Dan Davis  
Mr. Robert Derrera  
Dr. Hazel B. Draper  
Mr. & Mrs. Robert Earley  
Mr. Kevin Edwardson  
Mr. & Mrs. Harry Fair  
Mr. & Mrs. James E. Fassett  
Dr. & Mrs. Henry G. Fiegler, Jr.  
Mr. & Mrs. Gareth D. Flora  
Mrs. Ann Fremont-Guillot  
Mr. & Mrs. Dale Frost

Dr. & Mrs. John H. Gale  
Mr. & Mrs. Mark T. Gallagher  
Mr. & Mrs. Patrick Gallavan  
Dr. & Mrs. F.A. Garcia  
Mr. & Mrs. Anson Garnsey  
Mr. David A. Gesink  
Ms. Lynn Gonzales  
Mr. & Mrs. Timothy Hardin  
Mr. King Harris  
Mr. & Mrs. Cannon Y. Harvey  
Mrs. Elizabeth Heacock  
Ms. Sherry A. Heater  
Mr. & Mrs. Randal E. Heinz  
Mr. & Mrs. Arthur Hiner, Jr.  
Ms. Elaine Hodges  
Mrs. Janice Howes  
Mr. Rich Hufendick  
Mr. Margaret Isely  
Mr. & Mrs. William S. Jackson, Jr.  
Mr. & Mrs. John D. Jeffords  
Mr. & Mrs. Russell P. Johnson  
Mr. & Mrs. Pete Jones  
Mr. & Mrs. Devereux C. Josephs  
Mrs. Doris Kaehler  
Mrs. Joan Kelly  
Mr. & Mrs. Frank A. Kemp  
Mr. & Mrs. Melvin L. Koleber  
Col. & Mrs. Arthur Larson  
Dr. & Mrs. Daryl K. MacCarter  
Ms. Susan G. Mackie  
Mr. Roy Maddox  
Mr. & Mrs. Mike Mancarella  
Mr. & Mrs. Gilbert Y. Marchand  
Ms. Gayle Marino  
Mr. Frank Martinez  
Mr. & Mrs. Jack A. McAllister  
Mr. & Mrs. Richard McCormick  
Mr. & Mrs. William McIlvaine  
Mr. Brian P. McIntyre  
Mr. & Mrs. Bert T. McMurty  
Mr. & Mrs. Mark Meyer  
Mr. & Mrs. William D. Miller  
Mr. & Mrs. Dennis Mitchem  
Mr. & Mrs. W.J. Moore, Jr.  
Mr. & Mrs. Ralph Morgenweck  
Mrs. Cynthia Morrow  
Dr. & Mrs. Steven R. Mostow  
Dr. Alida Near  
Mr. Bernard Nelson  
Mr. & Mrs. W. Peterson Nelson  
Mr. & Mrs. Michael L. Nichols  
Dr. & Mrs. Steven Oboler  
Mr. James C. Owen, Jr.  
Mr. & Mrs. Thomas P. Owen  
Dr. Lynn Parry  
Mr. & Mrs. Richard C. Parvin  
Mr. Craig Peterson  
Mr. Robert M. Peterson  
Mr. & Mrs. Eric Peterson  
Ms. Gail Pickert  
Mr. & Mrs. John Polcyn  
Mr. Wallace Pulliam  
Mr. Arthur Ray  
Mr. & Mrs. Robert Rich  
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Mr. & Mrs. Robert Rolander  
Ms. Mary Rondinella  
Mrs. May Alice Rothweiler  
Mr. & Mrs. Charles P. Russ, III  
Mr. & Mrs. Robert L. Sani  
Mrs. Katherine W. Schomp  
Dr. & Mrs. Fredric A. Schroeder  
Mr. Eric Shimizu  
Dr. & Mrs. Moras L. Shubert  
Mr. & Mrs. Charles K. Skinner, Jr.  
Mr. & Mrs. Morgan Smith  
Mr. & Mrs. Jess W. Smoot  
Ms. Ann Baxter Stailey  
Ms. Irmie Staley  
Mr. & Mrs. Donald A. Stang  
Mr. & Mrs. John Stansbury

Mr. & Mrs. Alva T. Staples  
Mrs. Helen T. Street  
Mr. & Mrs. James A. Swanson  
Dr. Elisa M. Swyers  
Dr. & Mrs. Richard D. Talbott  
Mr. & Mrs. Duncan Tenney  
Dr. Cheryl Teuton  
Mr. W. Robert Thomas  
Dr. & Mrs. Michael A. Tralla  
Ms. J.T. Verbeck  
Mr. Randall J. Vetter  
Mrs. Irene Vigil  
Mrs. Ruth Warrington  
D. Wicks  
Mr. & Mrs. Edward D. White, III  
Mr. & Mrs. Joseph L. Wilcox  
Ms. Rachel Williams  
Mr. & Mrs. Jim Winget, III  
Ms. Suzanne Wohlgemuth  
Mr. & Mrs. Bob Wolfe  
Mr. & Mrs. Russell Wood  
Mr. & Mrs. John D. Woods, Jr.  
Mr. & Mrs. Lucius E. Woods  
Mr. & Mrs. David Young  
Mr. & Mrs. Robert Zaparanick  
Mr. Howard Zoufaly

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Stanley Pouw is the founder (1977) of Pouw & Associates, a Denver firm practicing architecture, planning, landscape architecture and interior design. The recipient of numerous awards by the national and Denver chapters of the American Institute of Architects, in 1992 it was named Minority Business of the Year by the Denver Chamber of Commerce sponsored by *The Denver Post*.

Pouw is president of the Asian Cultural Center, chairman of the board of the Colorado Scholarship Coalition and chairman of the Asian Advisory Council to the Mayor, and he was formerly president of the Asian American Foundation. He was also a member of the Landmark Preservation Commission for the City and County of Denver and a member of the Stapleton 2000 Citizen's Advisory Board.

A law clerk in the Law Offices of Robert Maes, Barbara Maes is a 1992 graduate of the University of Denver College of Law where she also served as a legal intern with the Colorado Court of Appeals and Denver District Court. Formerly she was the employment hearing officer at the University of Colorado Health Sciences Center, employment specialist for Mi Casa Center for Women and labor market information developer for Colorado Alliance of Business.

Maes' civic activities include service on the Hispanic Advisory Board of Denver Art Museum, on the founding board of Mi Casa, and on the board of Colorado Legal Services.

The Board of Trustees expressed its gratitude to retiring trustees Gordon Koon and Judge Cisneros.



## It's Time to Donate Books for May Sale

Last year's used book division of the annual Plant and Used Book Sale netted \$17,745.91, the largest amount ever earned. Generous members and their book donations through the year helped it happen, and the time has come again.

You may bring your donations—any subject—to Helen Fowler Library during regular hours, Tuesday through Sunday, 9 a.m. to 5 p.m. Or, if your donation is unusually large, arrangements can be made to pick up the books at your home. Please call 370-8014 for information.

Sale volunteers will need some time to get all your hardbacks, paperbacks, fiction and non-fiction sorted and priced before this year's sale. Librarian Solange Gignac and the entire DBG staff thank you. This sale is nearly the sole source of revenue for new books.

## 'Kidding Around' Activities for March

Welcome the approach of spring by learning about seeds and what they need to develop and grow at *Seed Sensations* on March 19 from 10 a.m. to 2 p.m. at York Street. After discovering the mysteries of seeds, take some home to care for in a garden or window box.

March generally delivers winds suitable for kite flying, and young navigators can take advantage of the wide open spaces of the Arboretum on March 19 from 10 a.m. to 2 p.m. Youngsters will make a kite which can be flown, winds permitting, and modified for better flight during *Go Fly a Kite*.

## Employee of the Month

In February, youth education specialist Geri Warfield was chosen DBG employee of the month.

Warfield was cited for the positive attitude and exceptionally well-organized manner with which she represents the Gardens in her duties not only at York Street and at Chatfield Arboretum but in countless events out in the community. Among her most popular programs are the monthly "Kidding Around" activities, which bring discovery and enjoyment to kids and their families in the world of nature. Her colleagues honored her, also, for the cheerfulness and energy she brings the DBG team.

## Exciting Changes Planned for Outdoor Displays in '94

5



James Henrich, DBG director of horticulture, and Joann Narverud, grounds foreman, have announced several exciting changes to look forward to this year in DBG's outdoor displays.

### Water-Smart Garden

One of the most prominent alterations, begun last fall, will be a new garden along the south side of Boettcher Memorial Conservatory that will demonstrate Water-Smart Gardening.™ Designed by Colorado garden writer and landscape designer Lauren Springer, the four-season garden will portray dryland horticulture at its best, with water-conserving plants, design concepts and gardening techniques.

The garden will display approximately 300 varieties of perennials separated into three zones to accommodate the different plants' needs for moisture, nutrients and soil texture. A state-of-the-art irrigation system will maximize efficient water use.

Installation of new plants will begin in June. Support for the project has been given by the Denver Water Board and Metro Water Conservation, Inc.

### Perennials in Perspective

DBG's main perennial displays, bordering the north-south sidewalk leading from the lobby entrance, also will be renovated in 1994.

The perennial border design relies on an innovative concept called "forced perspective." The rate at which two parallel lines appear to converge in the distance gives the viewer a sense of how distant the far ends of the lines are. By designing the outside edges of

the two borders wider apart at the north end than at the south—rather than exactly parallel—the beds, viewed from the north (and the Gardens' entrance), will seem not to extend as far into the distance as they actually do. This will draw our visitors' eyes quickly toward the future Fragrance Garden complex at the south end of the walkway.

DBG's existing collection will be the major source of plants; the backbone of the garden will be composed of such stalwarts as iris—bearded and Siberian—daylilies, peonies, oriental poppies, lupines, asters, chrysanthemums and thalictrums. Experts from several plant societies helped determine which varieties are best suited to our High Plains climate and soils.

To provide interest the year around the borders will be backed by flowering deciduous mixed shrubs, many of which will be shrub roses and viburnums. Renovation will begin in August.

### Chilies—and More Chilies

Last year's Chile Harvest Festival was such a hit that the Gardens will grow over 100 varieties of chilies this year. The former annual trials garden will be transformed into a new display of chilies (*Capsicum*) and complementary vegetables such as tomatoes, corn and other traditional Southwestern crops.

The Pre-Columbian Gardens and the Southwestern Native Peoples' Garden nearby will also feature chilies in the coming year.

### Educational Daylilies

In preparation for the convention of the American Hemerocallis Society in Denver in 1996, several members of the Mile High Daylily Society have begun a radical redesign and replanting of DBG's traditional daylily beds. David Freeman, Anna Condit and Diane Byers worked countless hours in 1993; you will begin to see the results of their dedication this year.

The exciting display incorporates other perennials with the daylilies to give DBG a delightful new three-season garden. The daylilies will be arranged to teach the historical development of this fine group of garden perennials, as well as demonstrate the best of each type and color for our region's gardens.

The Siberian iris nearby will receive a similar reorganization and find new homes in the perennial border, the new daylily garden and the peony garden.

*More varieties of chiles will join the corn and gourds of the Southwest Native Peoples' Garden in 1994.*



*The Colorado Cactus & Succulent Society will hold its annual show and sale at DBG April 2 & 3.*



The love of plants seems to germinate within each of us in a highly personal way. Through associations with other people, our interest thrives, grows and branches—often in unexpected directions. It may even blossom into a lifelong passion that lends tremendous enjoyment and worth to our creative lives.

No associations are more rewarding—especially for new gardeners—than those gained from joining a club whose members share our interests. Whether we are “joiners” or not, plant societies are wonderful sources of helpful hints, moral support and, often, plants.

Many such organizations meet or stage exhibitions at Denver Botanic Gardens. Several offer excellent educational programs for their members. You may wish to attend a regular meeting before you decide to join; visitors are usually welcome.

Below are the groups associated with DBG. Their usual meeting time may vary: call the representative listed for information. Consult the calendar tucked in the February issue of the *Green Thumb News* for the dates of their shows.

*Orchid lovers will convene at the Gardens April 9 & 10 for the spring show by the Denver Orchid Society.*

- African Violet Society of Denver, Chapter 1 (Fran Ratte, 1-582-5497, president), meets at DBG the fourth Thursday of each month at 9:30 a.m.
- American Iris Society, Region 20 (Mike Moller, 719-598-2024, president), meets at the Gardens February 5 and October 1, 4:30 p.m.
- Colorado Mycological Society (320-6569, or Robert Monks, 379-2070, president) meets at the Gardens the second Monday of each month, March through October, at 7:30 p.m.
- Colorado Cactus and Succulent Society (Bob Vick, 697-0954, presi-

dent) meets at DBG the second Tuesday of each month at 7 p.m.

- Colorado Water Garden Society, (Nancy Jewett, 671-7964, president) has scheduled meetings at the Gardens April 10, May 15, August 14 and September 11 at 2 p.m.
- Denver Orchid Society (Jim Flor, 733-1879, contact) holds two shows at the Gardens each year, but meets at Bonnie Brae Baptist Church, Exposition and University, on the second Tuesday of the month at 7:30 p.m.
- Denver Rose Society (Jim Lindemuth, 341-5888, president) meets at DBG on the second Thursday of each month, February through October, at 7:30 p.m., usually in DBG's Morrison Center.
- Gardeners of America, Denver Chapter (Tom Grace, 757-8990, president), meets the fourth Thursday of the month (except June) in DBG's Morrison Center at 7:30 p.m.
- Gloxinia Gesneriad Growers (Marlene Beam, 750-9317, president) meets the first Saturday of each month at 9:30 a.m.
- High Hopes Study Club (African violets) (May Ellen Rogers, 756-6937, president) meets the first Friday of the month at 11:30 a.m., usually at a restaurant.
- Mile High Daylily Society (Sabine Bauer, 755-1108, president) holds its general membership meetings the third Sunday of each month at 1 p.m. The American Hemerocallis Society, Region 9 (Duane Kurtz, 1-352-2044, regional vice-president), with which Mile High is affiliated, will hold its annual convention in Denver in July.
- Rocky Mountain African Violet Council (Norah Otto, 1-258-7698, president) meets on the third Saturday of every other month, September through May, at 12:30 p.m. Membership in an affiliated African violet or other gesneriad society is a requisite for membership in the council.
- Rocky Mountain Bonsai Society (Darell Havener, 234-0421, president) meets twice a month at the Gardens, the first and third Tuesday, at 7:30 p.m.
- Rocky Mountain Chapter of the American Rock Garden Society (Marilyn Raff, 979-9192, president) meets the third Wednesday of the month at 7:30 p.m.
- Ultra Violet Club (African violets) (Beth Hurliman, 333-1245, president) meets at DBG on the fourth Monday of each month, except in summer, at 9:30 a.m.

## Spring Summons Hosts, Guides to Chatfield

As warmer weather arrives, Chatfield Arboretum will be receiving more visitors: schoolchildren, garden clubs, scouts, and others who want to learn about the plants, animals and history of the arboretum and its farms. Volunteers provide this information.

They act as hosts, giving a warm greeting to our guests at the Chatfield Visitor Center. You can be a Chatfield volunteer host if you take part in the up-coming training sessions March 19 and 26. The classes will be held from 1 to 4 p.m. This two-day workshop will provide you with background material and information that will enable you to welcome and inform all guests.

If you would like to be a volunteer naturalist guide, training will begin March 29. Please see the spring catalog of educational programs for details. Call 973-3705 or 370-8020 for more information.

## DBG Volunteers Needed at Art Museum

Denver Art Museum is offering an opportunity for members and volunteers of Denver Botanic Gardens to participate with other community volunteers in an upcoming DAM exhibition, “Landscape as Metaphor, Visions of America at the End of the Century.”

The exciting exhibition of unique interpretations of American landscape will be at the museum May 14 to September 11. Volunteers are needed to help facilitate the exhibit and to educate visitors.

Training sessions are for weekends or weekdays. An informational meeting will be March 24 at 6 p.m. at the museum. You may call the DBG volunteer office, 370-8049, for more information.





## From Your Membership Office—

### Enhanced benefits for Arbor Circle-and-higher members

In response to the needs of our members we have changed these membership benefits to have each card "Admit one + two (any age)." Children under 6 are free, as always.

Your current cards, which read "Admits one + two children," will now admit adults or children with you.

In addition, the Reciprocal Admissions Program which gives you free admission or additional benefits at nearly 100 other gardens, arboretums and conservatories in the United States and Canada, has also added benefits for you:

- Free admission (\$12 value) to the Massachusetts Horticultural Society's 1994 New England Spring Flower Show March 5 through 13 at the Bayside Exposition Center, Boston, MA.
- Free admission (\$5 value) to the Pennsylvania Horticultural Society's Harvest Show Sept. 17 and 18 at the Horticultural Center in Fairmount Park, PA.
- Free admission to Four Mile Historic Park in Glendale, open April 9 through September, Wednesdays through Sundays, 10 a.m. to 4 p.m.

### The celebration continues: African Drum Workshop

Join us in Mitchell Hall Sunday, March 13, at 2 p.m. as Denver Botanic Gardens members and their guests continue to celebrate African-American culture. Ossimiri drummer Bataki Cambrelen will exhibit and share his African drum collection and expertise.

Members who attended the 1993 Goblins in the Gardens experienced Bataki's wonderful sounds in the conservatory. Welcome Bataki again!

A snack will be provided. Admission will be \$2 per person at the door. For children 3 and younger the performance is free. Questions? Please call Amy Capra, 370-8021.

## FALL FOLIAGE IN THE GREAT SMOKY MOUNTAINS AND ASHEVILLE, NORTH CAROLINA

OCTOBER 15-19, 1994

Join your fellow DBG members for a fall visit to the unique scenery and fabulous fall colors of Tennessee and North Carolina.

Itinerary highlights:

- One night in the unique mountain resort of Gatlinberg, Tennessee.
- Three nights in beautiful Asheville, surrounded by the spectacular scenery filmed in movies such as *The Last of the Mohicans*.
- Cades Cove in Cable Mill, Tennessee, to see the preserved structures representing pioneer lifestyles.
- Great Smoky Mountains National Park, with great stands of Eastern deciduous trees that should be ablaze with fall color.
- The Biltmore Estate—a full day to enjoy this national treasure, the largest private home in the United States, built by George Vanderbilt, and lavish grounds designed by Frederick Law Olmsted. Tasting Biltmore wines and lunch at the Deerpark Restaurant are included.
- Chimney Rock Park for a walk with the park botanist to see the incredible views and plant life.
- Pisgah National Forest, The Cradle of Forestry, Blue Ridge Mountains, and the Appalachian Trail.
- A gala evening in a private home for cocktails, dinner and a special musical program featuring local cloggers.
- Dinner show at Helen Cornelius' Nashville South for fiddle hoe-down, country and blues music.
- The Folk Art Center—highest quality shopping for Appalachian crafts.
- Four lunches, two dinners.
- Deluxe motorcoach transportation, all admissions and baggage handling. Local authorities, fully escorted throughout.
- A pre-departure party, and much more.

Space will be limited to 24 persons. Cost is \$725 for land arrangements based on double hotel occupancy (\$195 single room supplement). Airfare on Delta Airlines will be ticketed at the lowest available rate. A \$175 per person deposit, fully refundable up to August 5, will secure space in the order received. Final payment is due August 5. For more information call Barbara Baldwin, 783-0010, or Teresa Valdez, 370-8064. 10, 1994.

Name(s) \_\_\_\_\_  
\_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Home Phone \_\_\_\_\_  
Work Phone \_\_\_\_\_  
Single room? \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_  
Work Phone \_\_\_\_\_  
Enclosed is my check for \$ \_\_\_\_\_ to Denver Botanic Gardens.  
Charge registration to ☐ VISA ☐ MC  
# \_\_\_\_\_ Exp. \_\_\_\_\_  
Signature: \_\_\_\_\_

Cost of tour: land arrangements based on double occupancy, \$725 (single supplement \$195.) includes \$50 voluntary tax-deductible donation to Denver Botanic Gardens. Airfare on Delta Airlines will be ticketed at lowest available rate. Final payment due August 5, 1994. Make check payable to Denver Botanic Gardens. Mail to the attention of Barbara Baldwin, 909 York St., Denver, CO 80206. Questions? Please call Barbara Baldwin, 783-0010, or Sissy Gibson, 744-0282.

REGISTRATION



# March



## Coming Up

Classes are in italics. An \* indicates the first meeting of a class with more than one session. A ☉ indicates a class held at Chatfield Arboretum. For course information see the fall *Education Programs* quarterly, or call 370-8020.

### March

- 1 ☉ *Avalanches*
- 2 \**Introduction to Horticultural Therapy*  
\**Landscape Horticulture*
- 3 \**Beginning Bonsai*  
\**New & Under-Used Perennials*
- 5 Rose Symposium  
*Dye-namic Colors*  
*Ribbons & Berries*  
☉ *Ski the Trees*
- 8 *Flying Flowers: A Butterfly Garden*  
\**Never-Fail Perennials*  
*Spring Birch Wreath*  
\**Botanical Illustration, Mixed Media*
- 9 *From Cuts to Creations I*
- 10 \**Building A Rock Garden*  
*The Greenhouse Effect—*  
*A Greenhouse Gardener's Guide*
- 12 Spring African Violet Sale
- 13 Bataki Cambrelen,  
African Drum Workshop (Members only)  
*The Herb Garden*
- 14 *The Case of the African Violet*  
\**Decks, Patios & Arbors*  
\**Flower Arranging Nuts & Bolts: Taking the Second Step*
- 15 \**Introduction for Tour Guides*  
*Your First Water Garden:*  
*Small Containers I & II*
- 16 *The Magic Garden: Plants to Drink*  
☉ *Whoooo Are The Night Stalkers*
- 17 \**The Rose Garden*
- 19 Kidding Around: Seed Sensations  
*Egg-stravaganza*  
*Exciting Eggs*  
☉ *Pruning Basics I*  
☉ *Rocky Mountain Arsenal Field Trip*
- 20 *Quick & Simple Pastas*
- 22 \**The Water-Wise Flower Garden*
- 23 Bonfil-Stanton Lecture: Christopher Woods
- 25 *Horticultural Therapy Activity Fair*
- 26 ☉ *Bird Walks For Beginners*  
*How to Train Your Grapevine*  
*Pots with Panache*  
*Water in the Backyard Wildlife Habitat*
- 29 ☉ \**Naturalist Guide Training*
- 30 \**Outdoor Guide Training*  
☉ *Who's Pecking Through My Door?*
- 31 *Cacti and Succulents for Beginners*

## 'Passion for Perennials' Second Bonfils-Stanton Lecture

Christopher Woods will call for restoring passion in garden design when he presents the second Bonfils-Stanton Lecture of the year Wednesday, March 23. His program will given at 10 a.m. and at 7 p.m.

Perennial expert Woods will trace the history of using herbaceous perennials in the garden, the differences between the English and the many American styles of garden design, and the romantic aesthetic that dominates the use of perennials today. The lecture will culminate in a slide-show tour of Chanticleer, a thirty-acre garden in Pennsylvania now open to the public, which he directs.

Mr. Woods, a native of England who has been in the United States for thirteen years, started his career at the Royal Botanical Gardens in Kew, England. His book, *The Encyclopedia of Perennials*, was published in 1992.

The 1994 Bonfils-Stanton Lecture Series will continue the fourth Wednesdays of April, September and October. There will be two presentations each day. Tickets are \$7 for members and \$10 for nonmembers. Please note that the Helen Fowler Library will be open evenings before the lectures, from 5 to 7 p.m.





## Plant & Used Book Sale Calendar

**Thursday, May 5**

*Preview Party*  
5 - 8 p.m.



**Friday, May 6**

*DBG Member Shopping*  
8:30 - 10 a.m.

*Public Shopping*  
10 a.m. - 5 p.m.



**Saturday, May 7**

*DBG Member Shopping*  
8:30 - 10 a.m.

*Public Shopping*  
10 a.m. - 5 p.m.

# Green Thumb NEWS



**Denver Botanic Gardens**  
**April 1994**  
**Number 94-4**



*Each division of the sale boasts an expert to help shoppers purchase the right plants—then grow them successfully.*

## Planting Begins May 5 - 7: Preview Party Kicks Off DBG's Annual Plant and Used Book Sale

### Let the planting begin!

That's the message of DBG's 1994 Plant and Used Book Sale, May 5 through 7. It's a message heard throughout the Denver area, where it is recognized as the all-clear sign that the spring planting season has finally arrived.

### Preview, party, then plant

It is also the official slogan for the sale's Preview Party, Thursday, May 5, the earliest opportunity for members to browse and buy this year's amazing selection of plants and books.

The party is more than the best opportunity to shop this, the Gardens' largest, fund-raiser: The opening night of the sale will offer light hors d'oeuvres, a cash bar and music by Marvin Feldman and the Mile High Jazz Band. Please use the Preview Party invitation on p. 7 of this newsletter to reserve your place at this flowery affair.

### Members Only, 8:30 - 10 a.m.

DBG members will have a couple of other chances to shop "in the

privacy of their own Gardens."

Both Friday and Saturday, May 6 and 7, the hours of 8:30 to 10 a.m. have been reserved for members and for persons with disabilities who need assistance with their shopping. Members are urged to bring their membership cards and get in line early for this pleasant shopping experience.

### Ride the bus

To make your Plant and Used Book Sale shopping even more convenient, DBG has arranged for you to use the parking lots at Calvary Temple, University Boulevard and Alameda Avenue, and at the old Denver Dry store, University and First Avenue, and ride a bus to and from the sale, for free. Take advantage of this handy parking solution. There's plenty of room in the two lots, but, as you know, parking is often scarce around the Gardens during the sale.

Buses run approximately every 15 minutes, from 6 a.m. to 6 p.m.

### Valet curb service

When you have completed your shopping and whisked through the check-out line (taking advantage of your 10-percent membership discount!) it gets even easier, with the sale's special valet curb service. Simply leave your cart-full of purchases with the valets, return to your car by bus, drive up to the curb, and let the valets load your plants and books for you.

### In with the new!

DBG's annual sale is renowned not only for the fantastic variety and the high quality of plants it offers. You have come to learn that you will probably see the newest plants at this sale first. In fact, many varieties and species have received their U.S. introductions at DBG's annual Plant and Used Book Sale.

So as you browse, ask the volunteers at the sales booths to point out what's new this year. (For a teaser, see the sale chairman's notes on page 3.)

### Inside:

*Orchid Show*  
page 3

*Kids' Nature Classes*  
page 4

*Amazon Lecture*  
page 5

*Member News*  
page 7



## From the Executive Director

In the five years since voters created the Scientific and Cultural Facilities District, encompassing all or parts of six counties in the metropolitan area, Denver has become the national model of how public and private support for cultural and scientific institutions work in consort.

Denver Botanic Gardens has focused its use of SCFD funds in five areas: horticulture, education, special events, planning and accessibility.

In horticulture the funds have allowed us to enhance the quality of the displays greatly. By all accounts, the gardens look better than ever. We have installed several new displays, such as the Aztec and Mayan gardens.

In education we have used SCFD funds to reach out into the community through education programs, the publication and distribution of the "Great Gardening Guide" series of booklets, the involvement of community groups and an expansion of DBG's horticultural therapy program. For the first time, the Gardens has a full, professionally staffed children's education program.

In special events SCFD funds have supported DBG's very popular "Blossoms of Light" and helped launch the new Japanese and Chile Harvest festivals. These events bring tens of thousands of visitors, many for the first time, to Denver Botanic Gardens.

For planning, a portion of the funds enabled the trustees to conduct an institution-wide review. It resulted in a new vision for the Gardens at York Street and a capital fund drive to build the first of several vital educational and operational facilities.

Finally, SCFD funds have made the Gardens far more accessible than it previously was. DBG offers more free times than before and has extended eligibility for free visits to schools of all six SCFD counties. We have also instituted a capital improvement program to make our facilities and programs accessible to the disabled.

In just five years, these are remarkable advancements, direct results of the SCFD funds being used in partnership with private donations, which have reached an all-time high during this period.

—Richard H. Daley,  
Executive Director

## Tributes

**In memory of Lillian M. Conley**  
Mr. & Mrs. Philip Klass

**In memory of Elvia Gauss**

Mr. & Mrs. John Gaylord

Mrs. Joyce Thode

Mr. & Mrs. Donald D. Witherspoon

Mr. & Mrs. LaRoy E. Seaver

Mr. & Mrs. Alan T. Sprigg

Mr. & Mrs. James F. Kosmiski

Mr. & Mrs. Delbert E. Wilson

Dr. & Mrs. John C. Straub

**In memory of Ada Gorman**

Ms. Margaret R. Snyder

Mr. & Mrs. Franklin Halacz

Ms. Solange Gignac

Col. & Mrs. Frank Luongo

Dr. & Mrs. Michael Altman

Dr. & Mrs. Frederic L. Eldridge

Mr. & Mrs. Williams L. Hoeken

Mrs. Cynthia Kahn

Ms. Rowena Smith Nelson

Mrs. M.L. Kennedy

Mr. & Mrs. Paul Menzel

Mr. Daniel Menzel

Mr. & Mrs. Warren Menzel

**In memory of Viola Holland**

Mr. & Mrs. Richard M. Millard

**In memory of Byron F. "Bud" Link**

Ms. Catherine M. Dimuzio

Mr. & Mrs. Jonathan Saiber

**In memory of D.H. "Sam" Mitchel**

Dr. & Mrs. Edwin W. Peterson

**In memory of Mary Palmer**

Ms. Janet Boone

**In memory of Barbara Sheridan**

Mr. & Mrs. Harlan H. Holben

**In memory of Margaret A. Struck**

Mrs. Angela M. O'Brien

**In memory of Ann Thompson**

Mr. & Mrs. Mark Mills

**In memory of Alex H. Warner**

Mrs. Alex H. Warner

**In memory of Merel O. Woods**

Ms. Solange Gignac

### Correction:

Kim Sterne was incorrectly listed as Ms. Kim Sterne. It should be Mr. Kim Sterne.

**In memory of Kim Sterne**

Mr. & Mrs. Bruce C. Sterne

## A Corporate Friend of the Gardens

### Applewood SEED Co.

Applewood Seed Company has been creating products for the gift and garden markets since the early 1960s, when its president and founder Gene Milstein began collecting seeds of wildflowers in the Colorado mountains. Today, Gene and his wife Dee operate a nationally known company that employs 60 people and sells to over 30,000 retailers in the United States and abroad. The company's bulk seed division serves the landscaping industry, highway departments, parks and golf courses. At the root of the company's success is a commitment to research. A comprehensive program explores all aspects of growing wildflowers in Applewood's own field trials and in many different soils and climates throughout the United States. Reflecting the Milstein's spirit of community, Applewood supports many conservation and beautification projects.

### Green Thumb News Number 94-4 April 1994

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206

Editor: Larry Latta, 370-8033

Deadline for June issue: April 22

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.





## From Your '94 Plant & Used Book Sale Chairman:



I don't know about you, but every year, right about now, I succumb to a very contagious condition known as "plant lust." Every plant lecture I attend, every

gardening magazine I read, every nursery catalog adds at least 10 plants to my "must have" list.

Luckily, most all the plants I lust for can be found in one spot at one time: DBG's Plant and Used Book Sale!

I know you, too, will find the plants to satisfy your "plant lust": plants for pots, for livingroom corners, for vegetable gardens, for Mother's Day, for garden pools—for whatever you have in mind.

Consider these new and exciting items:

**Herbs:** camphor and Green Goddess basil, fern-leaf dill, dittany of Crete, lemon grass, lime mint and thyme.

**Vegetables:** tomatoes for high-altitude, short-season growing areas; ornamental tomatoes with purple flesh; three-quarter-inch yellow or red currant-size tomatoes; and tomato plants only 8 inches tall; peppers for salsa; and artichokes.

**Perennials:** bluebells of Scotland, white evening primrose, red cinquefoil, mixed-color helianthemums and filigree daisy.

**Roses:** David Austin English roses, joining the wide selection of old garden roses, and new and old All America Selections.

In addition, for the first time in many years DBG will be selling a printed *Plant Data Base* that will include nearly every plant offered in the sale. It will be useful for planning your shopping list prior to the sale; many listings will include cultural requirements and ornamental characteristics of the plants. The data base will be available the last week of April.

And don't forget this year's Plant and Used Book Sale poster, with its brilliant image by Jennifer Azadmanesh. It is a most collectible memento of an exciting sale.

Satisfy your plant lusts—shop this 45th annual sale. Best yet, accept our invitation to attend the Preview Party, May 5. Your reservation form is on page 7.



### Volunteers Make the Sale(s)

Volunteers not only make the sales at DBG's annual Plant and Used Book Sale—they make the sale.

Over 1,200 volunteers are needed this year. Can you help?

You don't have to be a plant expert. Fun opportunities are available in many different areas. Please call Sally Conover, 777-1166, to offer your talents.

### Plants and Books Still Needed

It's not too late to donate plants and books to the big sale.

If you're cleaning out your bookshelves or basement, please drop off your unwanted books, videocassettes and magazines at Helen Fowler Library, 1005 York St. Library volunteers will then sort and price them to raise funds for library acquisitions.

If you have extra seedlings or plant divisions from your garden, please call Marilyn Moore, 388-6934, or Ann Bobal, 751-9078. They will tell you where and when to deliver your donations. They also need digging and potting help at the Gardens prior to the sale.

Donated items are pure profit, directly supporting the programs and facilities at your Denver Botanic Gardens.

## Kids' Earth Day Activity at Gardens April 23

Share with children your enthusiasm for protecting the earth by participating in DBG's Kidding Around activity at York Street April 23, 10 a.m. to 2 p.m. At "Earth Day Endeavors" kids will make a doorhanger or bookmark from recycled paper and natural materials and explore various ecosystems at Denver Botanic Gardens.

## DMNH Presents 'Wild Kingdom' Host

Jim Fowler, host of Mutual of Omaha's Wild Kingdom television program and one of America's most widely known naturalists, will discuss his worldwide travels at the Denver Museum of Natural History Thursday, April 21, at 7 p.m.

The program, part of DMNH's Earth Day celebration, is the first in a family series sponsored by Continental Airlines to be presented jointly by DMNH, Denver Botanic Gardens, Denver Art Museum and Denver Zoo. Denver Zoo's Conservation Day in June, DBG's Chile Harvest Festival in August and Denver Art Museum's African Arts Family Day in October will complete the series.

Fowler will talk about the animal behavior he has observed during his conservation efforts and display several animals for up-close viewing.

His talk will be in the museum's Morrison Southeast Atrium. Call 322-7009 for tickets.

## Spring Orchid Society Show April 9, 10

The spring orchid show by the Denver Orchid Society will be at the Gardens the weekend of April 9 and 10. The show will be staged in John C. Mitchell II Hall, from 10 a.m. to 5 p.m. Saturday and 9 a.m. to 5 p.m. Sunday.

Hundreds of species and varieties of spring-blooming orchid plants—among the most beautiful of the family—will be on display in thematic settings. For sale at reasonable prices will be hundreds of orchid plants from one of Hawaii's finest commercial growers.

For more information, please call Paula Ogilvie, 370-8041.

*The 45th annual Plant and Used Book Sale will offer a large assortment of garden ornaments and containers, planted and unplanted, as well as plants proven for our climate and soils.*



Children find nature classes and other activities at the Gardens the year around.



## Nature Classes Available for Children

DBG is offering classes this month for children from 3 to 11 years old.

Children 3 and 4 years old can explore the great outdoors in *The Magic Garden: Terrific Trees*, a continuation of DBG's series of activities for preschoolers with adults, on April 13 from 9:30 to 11 a.m. They will discover a real forest environment, hear a story about a tree, make a tree-related craft project and learn how a tree grows. Cost for each child-and-adult pair is \$12 for DBG members, \$15 for nonmembers.

Preschoolers are also invited to participate in *Wind and Rain*, a two-session class about how plants and animals need wind and rain. Students will enjoy stories, projects and snacks. Session I meets Monday and Wednesday, April 18 and 20; Session II meets Tuesday and Thursday, April 19 and 21. Time for each class is 9:30 to 11 a.m. The fee is \$20 for members, \$22 for nonmembers.

Students 8 to 11 years old may try *Palatable Plants* April 23 from 9:30 to 11:30 a.m. to sample foods from plants. They will also attempt to shell nuts and create corn meal. Learning about other products from plants will round out the program. Cost for the class is \$12 for members, \$15 for nonmembers.

Students ages 5 to 7 will survey their flowering surroundings in *Awesome Blossoms* April 30 from 9:30 to 11:30 a.m. They are encouraged to share the experience with someone special for Mother's Day. Cost is \$12 for members and \$15 for nonmembers.

## Business, Cultural Seminars To 'Celebrate Korea'

A one-day educational seminar on Korea, its business and culture, will feature cultural performances at Denver Botanic Gardens Friday, April 22. "Celebrate Korea" is a joint production of the Asian Cultural Center, the Asian Chamber of Commerce and the Korean Student Association.

The performances, to begin at 7:30 p.m., will include Taekwon-Do demonstration, traditional Korean dances, music, a fashion parade and an original skit produced and performed by the Korean Student Association. An open forum discussion of Korean culture will feature panel members from the Colorado Korean community.

Tickets for the DBG event are \$10 in advance, \$12 at the door.

Earlier in the day is a business seminar at the Radisson Hotel downtown from 9 a.m. to 4 p.m. Topics will include U.S./Korean trade relations, cultural aspects of Korea and workshops on tourism, trade, agriculture and telecommunications. Among the speakers will be the Korean minister of economic affairs and the former U.S. ambassador to Korea.

The downtown seminar is \$75 for general admission, \$20 for students.

For reservations and more information on "Celebrate Korea" call 595-9737 for the daytime business seminar and 292-2981 for the evening cultural forum at the Gardens.

## DBG Staffer Awarded for Community Service

Beth Albright, DBG membership associate, has been chosen by North Metro Community Services to receive its certificate of gratitude. The agency awards the certificate to organizations and individuals who they believe have been outstanding in their commitment to and inclusion of persons with developmental disabilities.

Albright regularly supervises a group of clients of the agency who volunteer at Denver Botanic Gardens.

## Employee of the Month

Bill Voeck, carpenter in the DBG operations department, has been singled out as DBG employee of the month for March. His fellow DBG employees, who nominated him for the honor, describe him as always willing to go out of his way to help others. When it comes to those inevitable last-minute requests, he is always responsive. His cooperative spirit is essential to the job he performs, a vital one for the smooth, economical operation of other departments.

We applaud you, Bill.

## Free Days Offered at SCFD Tier I Agencies

Three of the four Tier I institutions of the Scientific and Cultural Facilities District will offer free days in April:

- Denver Art Museum, every Saturday;
- DBG's Chatfield Arboretum, Saturday, April 2;
- Denver Museum of Natural History, Sunday, April 10, and Friday, April 22.

Their ability to waive their standard admission fees is made possible in part by funds from the district.

## Olde Tyme Power Days at Chatfield in May

The Front Range Power Association will stage its third annual "Deer Creek Olde Tyme Days" at Chatfield Arboretum May 14 and 15.

The event will feature old tractors and engines, crafts, food, hay rides a tractor pull and a threshing demonstration. It's an two-day family celebration of pioneer settler life.

Admission is free, but a \$1 parking fee will be charged for each car. For more information please call 973-3705.



## Review:

***The Healing Forest* by R. E. Schultes and R. F. Raffauf. Dioscorides Press. Portland, Oregon. \$59.95.**

**QK 99 .A47 S3 1990**

After completing his doctorate degree in economic botany in 1941 at Harvard University, Professor Schultes spent 13 years in Northwest Amazonia, the watershed of the Amazon River in Ecuador, Peru, Colombia and Brazil. He remained as a permanent resident, living off the country with Indian tribes, learning many of their customs, even chewing coca daily for eight years. *The Healing Forest* by Schultes (botanist) and Professor Raffauf (phytochemist) is a monumental work of the economic botany of Northwest Amazonia.

Intending at first to study only arrow poisons, Schultes soon recognized the extraordinary regional riches in medicinal, toxic and hallucinogenic plants. He studied and recorded more than 2,000 plant collections and learned how the Indians used them. Detailed information about the plants is reported in a list of 1,516 species in 145 families and 594 genera. The list also serves as a primitive pharmacopoeia, prescribing the listed plants as traditional remedies for symptoms and diseases.

Every primitive society has its own vegetal pharmacopoeia. This knowledge, accumulated over centuries by people living intimately with their environment, suggests potentially useful plants for modern drug research. To name two successes from the traditional Amazonian pharmacopoeia—cocaine, the local anesthetic (not the illicit drug) from coca, and curare, the muscle relaxant from *Lugania*.

The world is deeply concerned with the destruction of tropical forests from human encroachment. Drs. Schultes and Raffauf wisely urge equal concern with the loss of ethnobiological knowledge from the disintegration of primitive societies.

—Emanuel Salzman

## Schultes Speaks on People, Plants of Amazon

5



*Dr. Schultes examines a blossom of Victoria reginae, the world's largest waterlily.*

Richard Evan Schultes, Ph.D., widely recognized as “the father of ethnobotany” and a founder of the international conservation movement, will speak at the Gardens Wednesday, April 27. His Bonfils-Stanton lecture is titled “Where the Gods Reign: Plants and Peoples of the Colombian Amazon.”

The lecture will be at 10 a.m. and at 7 p.m. Admission is \$7; for nonmembers it is \$10.

Dr. Schultes is a specialist in the botany of rubber trees, medicinal plants and hallucinogens. The professor of biology and director emeritus of the Harvard University Botanical Museum spent 14 years in tropical America and is renowned for his research on narcotic, medicinal and toxic plants. Dr. Schultes describes his field as “finding out what native peoples have been using before they lose the knowledge their forebears have gathered over thousands of years.”

He is the mentor of Mark Plotkin, last year's most popular Bonfils-Stanton speaker.

An exhibit of photographs by Dr. Schultes will be displayed in DBG's Lobby Court from April 12 through 30. The photographs of plants and people of the Amazon were made in the course of Dr. Schultes' explorations there.

He is the author of numerous books and articles. DBG's Helen Fowler Library contains *Where the Gods Reign, Plants and Peoples of the Colombian Amazon; The Golden Guide to Hallucinogenic Plants; and Plants of the Gods, Origins of Hallucinogenic Use.*

Dr. Schultes' many awards include the Gold Medal of the World Wildlife Fund in 1984 and the Cross of Boyaca, Colombia's highest honor. In that country, a two million acre portion of the country's rain forest was named “Sector Schultes” in his honor. He sits on the scientific strategy team of Shaman Pharmaceuticals, Inc., a young Northern California-based company that is developing new drugs based on rain forest medicinal plants.

Begun in 1987, the Bonfils-Stanton Lecture Series is supported by the Bonfils-Stanton Foundation. Lectures are in John C. Mitchell II Hall. The final two lectures will be the fourth Wednesdays of September and October.

Call the education office at 370-8020 or 370-8019 for reservations or more information. Please note that the Helen Fowler Library will stay open lecture evenings from 5 to 7 p.m.





*Agave parri*, a species from northern Arizona, seen growing in DBG's Rock Alpine Garden

## Cactus & Succulent Workshops at Show

The show and sale by the Colorado Cactus and Succulent Society at the Gardens April 2 and 3 will feature educational displays and free mini-workshops. "How To Plant a Dish Garden," "Pettable Plants," "Pest Control" and "What Is a Succulent, Anyway?" are a few of the workshops planned.

A popular feature of the weekend event is the "You Pick It, We Plant It" dish garden booth, where you can get assistance potting up your new plants into a dish garden. Other items available at the show are cactus books, hats, jewelry, T-shirts, potting soil, containers and fertilizer.

There will be hourly door prize drawings for those in attendance.

Hours of the show and sale are 9 a.m. to 4:45 p.m. each day.

## Evergreen Audubon Needs Plant Surveyors

The Evergreen Naturalists Audubon Society has embarked upon a project to analyze, protect and enhance the important habitat along Bear Creek from Summit Lake on Mt. Evans to Bear Creek Lake just east of Morrison. One of the components of the program, "Birds in Balance," is a survey of the plant communities along the creek, for which the society is soliciting botanically knowledgeable volunteers.

Participants are also needed for mapping, developing a bird list, developing a historical account of the area and educating the public on habitat enhancement. Interested parties should contact Nancy Kanyuk, 697-9075, or Janell Hermann, 674-6723.

## 'Romancing Alpines' Plant Sale April 16

The Rocky Mountain Chapter of the American Rock Garden Society will host "Romancing the Alpines," a sale of choice rock garden plants and perennials, Saturday, April 16, at DBG from 9 a.m. to 4:30 p.m.

The sale, in John C. Mitchell II Hall, is included in DBG's standard admission fees. For more information call Kris Todd, 823-6012.

## Teacher Open House at Chatfield Arboretum

Invite a teacher to attend "A Growing Experience With Trees," a free open house for teachers at Chatfield Arboretum Saturday, April 9, from 10 a.m. to 2 p.m. In an informal setting, teachers will become familiar with DBG programs, particularly those for school groups, and learn how to plant a tree and discover native and non-native trees in the area.

Classroom activities related to Arbor Day, April 15, will be available, and DBG staff members will be on hand to answer questions. Teachers are invited to bring their families and a picnic lunch. A light dessert will be provided. Registration is required by April 7; call 973-3705 to reserve a space.

## DBG, Art Museum To Promote Japanese Paintings, Gardening

Beginning in April, instructors from Denver Botanic Gardens and Denver Art Museum will travel to middle schools in the six-county Scientific and Cultural Facilities District to present an enrichment program on the culture of Japan. The schoolchildren will be given the opportunity to create traditional rock gardens and a landscape painting from both American and Japanese viewpoints.

"Japan and America: Views of Nature Far and Near" will reach some 6,000 students and teachers. Each school will receive two visits. Financed in part with a grant from the Scientific and Cultural Facilities District, the program will be provided free.

In addition, a training course will be offered at Denver Botanic Gardens June 24 for 100 teachers, focusing on Japanese culture, history and views of nature as reflected in art. The course will include a 90-minute tour of the Japanese Galleries of the Art Museum on June 25 or July 29. Cost for the course is \$35, which includes lunch, related curriculum materials and .5 semester hour of recertification credit. To register for the teacher training course, call the Colorado School of Mines continuing education office at 273-3303.

For additional information on "Japan and America: Views of Nature Far and Near" call DBG youth education specialist Geri Warfield at 370-8043. Teachers may register for the classroom visits with the DBG education office, 370-8020.



## From Your Membership Office:

### Receiving duplicate mailings?

If you are receiving more than one copy of any mailing from Denver Botanic Gardens, please call the membership office, 370-8029, to alert us and help us eliminate the duplication.

You will notice that your membership numbers on the mailing labels are slightly different. When you call, please have the numbers handy to help clarify the problem. Your patience is greatly appreciated.

### Upper level members go behind the scenes

DBG members at the top four levels will go behind the scenes at the Gardens Tuesday, April 12.

The Arbor Circle, Botanist Club, Conservators Society and Four Seasons members will tour the production greenhouses and enjoy light refreshments and musical entertainment. Reservations are required. Please call Amy Capra in the special events office, 370-8021.

### Members to preview poster art

Members are invited to the preview reception the evening of April 28 of an exhibition of 40 of the original artworks submitted for the 1994 Plant and Used Book Sale poster contest. The show, presented by Savageau Gallery, 2230 E. Colfax, will run April 29 through May 15, but DBG members and regular Savageau customers may attend the preview Thursday, April 28. An additional privilege: Denver Botanic Gardens will receive 20 percent of the proceeds from pieces sold during this show.



## LET THE PLANTING BEGIN AGAIN!

**PREVIEW PARTY**  
FOR THE 45TH ANNUAL  
**DENVER BOTANIC GARDENS**  
**PLANT & USED BOOK SALE**  
**THURSDAY, MAY 5, 1994**  
**5-8 P.M.**



**\$40 PER PERSON**  
(\$25 TAX-DEDUCTIBLE CONTRIBUTION)

LIVE MUSIC BY  
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**HIGH JAZZ BAND**  
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RAFFLE TICKETS AVAILABLE  
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ORIGINAL OIL PAINTING BY  
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(BOOKS WILL BE AVAILABLE)



ATTIRE: CASUAL



# RESERVATIONS

PLEASE RESERVE \_\_\_\_\_ TICKETS AT \$40 EACH  
FOR PLANT & USED BOOK SALE PREVIEW PARTY AT  
DENVER BOTANIC GARDENS, 1005 YORK STREET

RESERVATIONS ARE DUE BY MAY 2ND.

FOR MORE INFORMATION CALL:  
**SANDRA WILBANKS, 744-2580.**

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PLEASE MAKE CHECK PAYABLE TO DENVER BOTANIC GARDENS.

MAIL TO: PREVIEW PARTY  
MRS. STEPHEN WATERS  
7 CRESTMOOR DRIVE  
DENVER, CO 80220

I AM UNABLE TO ATTEND;  
ENCLOSED IS MY DONATION OF \$ \_\_\_\_\_.



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## Coming Up

Classes are in italics. An \* indicates the first meeting of a class with more than one session. A ☼ indicates a class held at Chatfield Arboretum. For course information see the spring *Education Programs* or call 370-8020.

### April

- |        |  |    |   |
|--------|--|----|---|
| 2      | <i>Water Garden: Basic Pool Construction I</i><br>Chatfield Arboretum Free Day (Colorado Residents)  | 13 | <i>The Magic Garden: Terrific Trees</i><br>* <i>Planning &amp; Planting for Hummingbirds</i>  |
| 2 & 3  | Cactus & Succulent Show and Sale   | 15 | * <i>Horticultural Therapy Techniques</i>   |
| 5      | <i>Water Garden: Basic Pool Construction</i>   | 16 | ☼ <i>Arbor Day Hike</i><br>Rock Garden & Alpine Plant Sale  |
| 6      | <i>Arranging Spring Bulb Flowers</i>   | 17 | <i>Awe-Inspiring Asparagus, Artichokes &amp; Endive</i>   |
| 7      | ☼ * <i>Beginning Watercolor Painting</i><br><i>An Introduction to Landscapes</i><br>* <i>City Wildflowers</i><br>* <i>Intermediate-Advanced Bonsai: On the Rocks</i> | 17 | * <i>Wind &amp; Rain I</i>  |
| 8      | <i>The Less Lawn Landscape</i>   | 19 | * <i>Creating a Single Theme Garden</i><br>* <i>Wind &amp; Rain II</i>  |
| 9      | <i>Close-up Flower Photography</i><br>* <i>Flower Biology</i><br><i>From Cuts to Creations II</i>  | 20 | <i>Herb Wreath Thyme!</i>   |
| 9 & 10 | Spring Orchid Show & Sale  | 23 | <i>Palatable Plants</i><br><i>Pruning Basics II</i><br>Kidding Around: Earth Day Endeavors at York St.                                      |
| 10     | <i>Duck, Duck, Goose!</i><br><i>Growing Native Medicinal Herbs</i>   | 24 | ☼ <i>Native &amp; Medicinal Plants</i>  |
| 11     | * <i>A Garden Bouquet: Creating A Cutting Garden</i><br>* <i>Water Gardening for Beginners I &amp; II</i>  | 26 | * <i>Advanced Botanical Illustration</i>  |
| 12     | For Arbor Day members & above: Behind-the-Scenes<br>Tour<br><i>Creating A Knot Garden</i>  | 30 | <i>Awesome Blossoms</i><br><i>A Sweet Annie Wreath</i><br><i>Bird Walks For Beginners</i><br>☼ <i>Wet &amp; Wild —Wetlands Appreciation</i> |



These large-flowered crocus will have been replaced by tulips by the time you visit the Plant and Used Book Sale. Other spring flowers you will see early in May will be the very first lilacs and peonies of the season.





## Garden Concerts, Kids' Concerts Begin in June

Denver Botanic Gardens' two summer concert series will return to the amphitheater in June, presented this year by *The Denver Post* newspaper. ListenUp Audio and Video, University Hospital, Great West Life with KBCO Radio, KHHH Radio and KDVR Channel 31 Kid's Club are other sponsors.

The DBG Garden Concerts will continue the tradition of classical, jazz and world music that members have enjoyed for 13 years. The children's concerts will combine exciting entertainment and music for evenings enjoyable to kids and parents alike.

For the 1994 season the Gardens has chosen a new caterer, Carte d'Or, which will offer an exciting menu for adults as well as food appropriate for children.

Members will receive a concert schedule with ticket and parking information in the mail. Additional brochures may be ordered by calling the Gardens' events information line, 370-8187.

# Green Thumb NEWS

Denver Botanic Gardens  
May 1994  
Number 94-5



*The Flying Karamazov Brothers were an exciting hit of last year's children's concerts season.*

## Buy a 'Rocky Garden' at Plant & Used Book Sale

In many of its divisions the DBG Plant and Used Book Sale will feature suggestions for "combination" gardens, plants that will grow well together, either ornamentally or culturally. Depending on the division, there will be shade-loving, silver and gray, "Italian" and other combinations.

By far the most ambitious "combination" will be the Rocky Mountain News Garden, designed by one of the garden experts of the *Rocky Mountain News* Lawn and Garden section. All the plants specified by the design will be collected and ready for purchase as a unit—an entire garden of plants.

The *Rocky Mountain News*, Colorado's first newspaper and oldest continuously operated business, is sponsoring this year's sale as a project of community support. Of interest to DBG members: the newspaper's gardening articles are published in its Saturday edition.

KNUS radio, which broadcasts "Your Home Grown Gardeners" show hosted by experts Bill Cassel and Carrie McLaughlin, is the radio sponsor. The show airs from 8 to 10 a.m. on Saturday mornings.

### Posters, Cards, T-shirts

"Summer Harvest," the painting by Jennifer Azadmanesh chosen for this year's sale poster, will also be printed on postcards, note cards and T-shirts. All will be available at the sale.

### Learn about it

Maps will be available at each entrance to the Gardens to help you locate just what you're looking for. Check your Plant & Used Book Sale maps, too, for times and locations of appearances by many gardening experts. Throughout the sale, the experts will be giving short talks on specific plant varieties and on the planting and care of gardens.

Some divisions will offer educational hand-outs with plant lists for theme gardens, such as a yellow garden, a butterfly garden or a fragrance garden. Ask the friendly volunteers in each division of the sale for help with your purchases.

### Books in the basement

Don't forget to browse the tens of thousands of used books for sale this year. They are located in the basement classrooms of the education building—downstairs off the northeast corner of the lobby court. They may be a bit hard to find, but well worth the effort. Books are among the many "bargains" of the sale. Hours are the same as for the rest of the plant sale.

The categories in which the used book sale is particularly well-supplied this year are cooking, juvenile literature, gardening, botany, natural history, crafts and fiction.

### Gift certificates

In response to many requests for gift certificates for the Plant and Used Book Sale, for the first time, DBG will offer them for sale. Certificates may be purchased in any amount over \$10. They are available in the special events office, in the carriage house at 909 York Street.

If you have questions about the sale, please call 370-8187.

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## A Corporate Friend of the Gardens



Based in Denver since 1911, Dixon Paper Company understands the need to support cultural programs. Its participation as a corporate member of the Gardens demonstrates its desire to contribute to its community.

Dixon keeps the needs of the individual customer its number one priority while providing the raw materials of both business and home life: paper products, packaging equipment, tapes, cleaning supplies—the list goes on and on. With 13 warehouses from Mexico to Canada, the Dixon trucks are a familiar sight on the highways of the West. We congratulate Dixon on 83 years of service, and look forward to its continued success.

## New and Renewing Four Seasons Members

DBG notes with appreciation the following people who have renewed or joined as Four Seasons members during the first quarter of the year. Four Seasons members provide annual leadership support of \$1,000 or more to assist the Gardens in providing excellence in our programs and gardens.

Mr. and Mrs. Dennis E. Baldwin  
Mr. and Mrs. Bjorn K. Borgen  
Mr. and Mrs. Robert P. Davison  
Mr. and Mrs. Cortlandt S. Dietler  
Mr. and Mrs. Herbert L. Fenster  
Mr. and Mrs. J. Landis Martin  
Mr. and Mrs. Allan R. Phipps  
Mr. and Mrs. Warren Sheridan  
Mr. and Mrs. B.K. Sweeney  
Mr. and Mrs. James B. Wallace  
Mrs. J. Kernan Weckbaugh  
Mr. and Mrs. John M. Williams

## Tributes

### In memory of Bob Bennett

Ms. Solange G. Gignac &  
Mr. Alan F. Huggins

### In memory of Mary Cohn

Ms. Ina Cherington

### In memory of Irene DouBrava

Ms. Mary E. Scherrer

### In memory of Thurman English

Ms. Viola English  
Ms. Janet Iona  
Mr. & Mrs. William C. McCracken  
Dr. & Mrs. Kelly B. Pendergrass  
Ms. Linda Peters  
Ms. Erica Ramlow  
Mr. & Mrs. J.V. Ostermiller  
Dr. & Mrs. Nathaniel A. Peters

### In memory of Elvia Gauss

Ms. Louise G. Bittner  
Ms. Edith M. Johnson  
Ms. Alice F. Kafka  
Ms. Phyllis D. Sandberg

### In memory of Ada Gorman

Dr. & Mrs. Andrew L. Arnold  
Mr. & Mrs. Donald E. Barker  
Mr. & Mrs. Psaul Errico  
Ms. Syd Glick  
Ms. Sharon A. Lavoie  
Mr. Lyndon C. Merkle  
Mr. & Mrs. Thomas Obermeier  
Mr. Andy Roberts  
Ms. Jenny Roberts-Mann  
Ms. Katy Roberts  
Ms. Peggy Roberts  
Ms. Margaret A. Wallace

### In memory of James Jaquette

Pat, Peter, Ellen & Laura Smith

### In memory of Byron F. "Bud" Link

Ms. Margot G. Hackstaff  
Mr. Robert W. Harder  
Mr. & Mrs. Mark Malag  
Ms. Frances E. Schaefer  
The Fenoglio Family

### In memory of D.H. "Sam" Mitchel

Rev. & Mrs. Glenn McFarland  
Miss Helen Mitchel  
Mr. Paul Mitchel  
Mr. & Mrs. Robert Mitchel  
Dr. & Mrs. Waldo Mitchel  
Mr. & Mrs. John Russell

### In memory of Ethel May Petrick

Mrs. Joyce T. Thode  
Morning Belles Garden Club

### In memory of Margaret A. Struck

Ms. Dorothy S. Hutchison  
Ms. Dawn Abrams

### In honor of Dorothy Witulski

LWCC Ladies Bridge Group

## From the Executive Director

Ten days before the scheduled March opening of Denver International Airport, Bruce Alexander, Manager of Denver's Department of Parks and Recreation, called and said, "We've got a problem at DIA that you might be able to help with." For a host of reasons, the fountain in the center of the new Jeppesen Terminal would not be done on time for the opening, and he wanted to know if we could convert it to a temporary planter. I told him, with six months to do it, it would be easy. But 10 days!

Jim Henrich, DBG's director of horticulture; Joann Narverud and Gary Davis, who supervise our grounds and greenhouses; and I met at the airport, decided we could do it, and in two days they were off buying plants in California—DBG doesn't have large mature plants just sitting around for this kind of thing.

The opening of the airport got delayed, but we have filled the fountain with a wonderful exhibit of cacti and succulents from around the world, a tribute to the arid Southwest and similar regions of the globe. The display will remain at least through the summer.

Working with our sister institutions, by fall we will have computer exhibits to entice airport patrons to visit the Gardens and other key attractions, and we will eventually have a display case at DIA to highlight the Botanic Gardens.

The plantings show just how adaptable our staff can be. And the permanent exhibits should help us entice people from across the world to visit "the tropics to the tundra" every day.

—Richard H. Daley,  
Executive Director

## Green Thumb News Number 94-5 May 1994

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206

Editor: Larry Latta, 370-8033

Deadline for July issue: May 20

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.







## SCHEDULE

**MAY 5**

**PREVIEW PARTY  
5 TO 8 P.M.**

**MAY 6 & 7**

**45TH ANNUAL SALE  
8 TO 10 A.M. MEMBERS  
10 A.M. TO 5 P.M. PUBLIC**

Are you getting excited? Our favorite Denver event is just a few days away—the 45th annual Plant and Used Book Sale!

My dreams are filled with visions of floriferous gardens, flower-scented bouquets and baskets of fresh, ripe vegetables, all from the sale. How about you?

### Don't be afraid to ask!

Besides the 500,000 plants and innumerable books, plenty of gardening experts will always be on hand for the sale. Professionals from plant societies will manage the Water Plants, Cacti and Succulents, Roses, Herbs, Bonsai and Orchids divisions. The Xeriscape Division will be staffed by conservation officers of the Denver Water Board. And the amateur volunteers in each division are amazingly knowledgeable, too.

Some divisions have scheduled experts at specific times. The Containers, Etc. Division will feature Charley and Mary Gibbs of Rabbit Shadow Farm sharing their tips from 10 a.m. until noon on Friday, May 6. The Perennials Division will have a daylily expert present Friday morning, an iris expert on hand Saturday morning. The Roses Division will present a representative from High Country Rosarium, Colorado's own home-grown rose nursery.

To find out when these and other experts will be on duty, consult the schedule that will be posted inside the gate as you enter the Gardens for the sale. Or come all three days. Then you won't miss a thing.

### Preview Party

Of course, the premier activity of the sale is the Preview Party 5 to 8 p.m. Thursday, May 5. You can shop for your special, hard-to-find-anywhere-but-at-DBG plants while visiting with your friends and fellow gardeners and enjoying a light supper and beverages.

If you haven't yet made your reservations for this fun evening, please call Sandra Wilbanks, 744-2580, by May 2.

### How convenient!

If you wish, bring a friend to the sale during the special early shopping hours for members only—8 to 10 a.m. Friday and Saturday. There will be representatives from the membership office at each gate to assist in signing up your friend for a membership so your friend can come to the sale and shop with you. These hours will also be available for senior nonmembers and for people who need physical assistance in shopping.

All four gates to the Gardens will be open for the sale: The Cheesman Park gate on the west, the Gaylord Street gate on the north, DBG's main entrance on York Street and the service gate on the south, between the Gardens and the Waring Botanic Gardens House at 909 York St.

Free double-decker bus service and curbside plant valets will be provided to make your parking, shopping and loading carefree.

Park your car in the Calvary Temple parking lot at University and Alameda boulevards and take the bus to the Gardens. The bus will make the shuttle about every 15 minutes or so. You can choose to disembark at the Gardens at either the north gate, Gaylord and 11th Avenue, or the Cheesman Park gate.

After you have filled your shopping carts (on loan from King Soopers), you will pay for your plants, then leave them in the care of DBG's plant valets at curbside. This leaves you free to hop the free bus back to your car, then return for your plants.

Next stop: home, with your new plants and used books.

See you at the sale!



From left: Jim Flor, Lois Schweigert, A. J. Bailey, Michael Ebbs, Nancy Peeden and Linda Klemmetsen-Williams.



From left: Julie Beall, David Winger, Chris Call, Joan Truby and Wendy White. Front: Kevin Beall.



From left: Bev Counce, Sandy Miller, Diana Spera, Anne Bobal and Marilyn Moore.



From left: Mary Ann Conner, Gordon Brown, Rosemary Laughlin, Mark Parsons, Sue Parsons and Carol Schutz.

At left are some of the members of the Plant and Used Book Sale Committee. Division heads or assistants, their leadership and hard work throughout the year will be responsible for the success of this, DBG's most important fundraiser.



## SCFD Free Days

Chatfield Arboretum will have free admission for Colorado residents Saturday, May 7, as a result of funds received from the Scientific and Cultural Facilities District. Denver Art Museum will offer free admission every Saturday this month.

The next free admission at DBG will be Sunday morning, June 5; at Denver Museum of Natural History, June 6; and at Denver Zoo, September 18.

## Japanese Festival June 18 & 19

DBG's second Japanese Festival will be Father's Day weekend, June 18 and 19. Co-presented by Teikyo Loretto Heights University and the Center for Japan Studies, the activity-loaded festival will include the annual exhibition by the Rocky Mountain Bonsai Society, a display by the Rocky Mountain Koi Club, entertainment and demonstrations of Japanese arts.

More information will be published in the June GTN.

## Employee of the Month

Beth Albright, membership associate in the membership and development office, was recognized by her co-workers in April for her knowledge, expertise and enthusiasm. She brings to her work a commendable "can do" attitude and a willingness to help others.

Congratulations were also given for her initiative and leadership in organizing and guiding the office's corps of clerical volunteers.

Thank you, Beth.

## DBG Curator Kelaidis Awarded Florens DeBevoise Medal

Panayoti Kelaidis, curator of DBG's Rock Alpine Garden, this month will be presented one of the most prestigious awards in American horticulture, the Florens DeBevoise Medal of Garden Club of America.

The medal is awarded every other year for horticultural achievement in the fields of hybridizing, collecting or nurturing, with preference to plant material suitable for rock gardens. It is named for Mrs. Charles I. DeBevoise, founder of the America Rock Garden Society.

Kelaidis has been curator of DBG's .9-acre rock garden since its construction in 1980. The garden's design and planting vividly reflect the richness of rock plant flora and Kelaidis' own exuberance, skill and knowledge.

In a field often characterized by introversion, it is Kelaidis' enthusiasm for sharing that truly distinguishes him for this award. He is a non-stop horticultural promoter, particularly of species of cold, high, dry continental climates. He has written hundreds of articles, spoken to horticultural societies the world over (he is fluent in six modern languages) and been a leader in several Rocky Mountain and national horticultural societies. He has forged links with the nursery industry and other botanic institutions from Cape Town to Calgary that have been of incalculable value to DBG's collections and those of American gardeners.

In recognition of his many contributions, he was nominated for the award by Garden Club of Denver, member of Garden Club of America, with letters of support from plants-people from many nations. One of the seconding letters was written by Broadmoor Garden Club in Colorado Springs.

Garden Club of Denver was organized in 1916 to promote interest in gardening, in the naturalization of Rocky Mountain flora and in civic planting. Its members have been long-time supporters of Denver Botanic Gardens and its programs, most visibly DBG's Home Demonstration Garden.

Kelaidis will receive the award May 3 at Garden Club of America's awards dinner in Honolulu, at which Garden Club of Denver will be represented by Jane (Mrs. Timothy) Davis, a past chairman of DBG's annual Plant and Used Book Sale, and Knobby (Mrs. MacIntosh) Brown, DBG volunteer.

## Duran Joins DBG Staff as Finance, Administration Director

Joseph P. Duran has joined the staff of Denver Botanic Gardens as director of finance and administration. He comes to the Gardens after a 10-year career in various senior positions with Resolution Trust Corporation and several commercial banking institutions in Colorado.

Duran's new senior level position at DBG carries responsibility for the Gardens' financial accounting, cash management, personnel policies, administrative support, risk management, and facilities operation and maintenance.

A certified public accountant, Duran is a Colorado native with a bachelor's degree in finance and accounting from Metropolitan State College. He's also a graduate of the University of Colorado Graduate School of Banking.

## DBG Hours, Fees Change for Summer May 1

May 1 brings changes in Denver Botanic Gardens' hours and admission fees.

Until September 30, the Gardens at York Street will be open to the public from 9 a.m. to 8 p.m., with the exceptions of Wednesdays, Thursdays and Fridays, when the gates will close at 5 p.m. to accommodate concerts and other special, ticketed events.

General admission for nonmembers during the summer is \$4 and \$2 for visitors who are 65 and older, 6 through 15 or students with school identification. Children under 6 enter the gardens free.

### Free admission

Nonmembers who are residents of Colorado can enjoy the Gardens free each Sunday morning, June through August. These free times are made available with funds from the Scientific and Cultural Facilities District.

For information on the many events scheduled for the summer, call 370-8187.



## Dryland Plants for Your Garden

In front of Chatfield Arboretum's Visitor Center are several gardens of native wildflowers, grasses and shrubs. They are from the semi-arid, uniquely beautiful landscapes of the West. Once considered by many people to be "waste lands," we now appreciate these landscapes for their botanical richness and beauty.

Many of the species displayed at the arboretum are not common, but some are becoming more familiar and available at nurseries. They are sought not only by gardeners concerned with water conservation but those who appreciate their unique aesthetic value: they demonstrate the appeal and importance of our region's natural heritage.

To start growing dryland plants, prepare your soil: These plants occur where water drains rapidly through the soil. To achieve satisfactory drainage, you may have to mix ample quantities of sand or gravel into your existing soil. You may also mound your dryland garden area so excess water will drain away from the plants.

Amending the soil with manure or compost is not necessary, since most of these plants do not require—and will not survive—in rich soil.

After planting, water your dryland plants thoroughly and frequently for the first two weeks. After this period of establishment the plants will have rooted well into the soil, and you should decrease watering. Allow the soil to dry for about two weeks between waterings. After six to eight weeks your garden should not require any supplemental water except in the hottest, driest weather.

To learn more about growing dryland plants from the Western United States, visit DBG's Helen Fowler Library. You will find appropriate nursery catalogs and a wealth of information on growing these plants. Plant lists are available at the library and at the Chatfield Arboretum Visitor Center.

—Chris Hartung,  
Supervisor at Chatfield Arboretum

## A Year-'Round Rock Garden with Helichrysums



Most of the traditional rock garden plants—such as saxifrages, primroses, androsaces and columbines—bloom in May. In fact, most people who build rock gardens buy their plants in bloom in the spring, and rock gardens have the reputation of being rather dull the rest of the year.

However, you can resist this impulse, and pick your plants not only for their bloom, but for the color and effect of their foliage. Since many alpine plants have evergreen (or ever-silver) leaves, your rock garden can be beautiful even in mid-winter. Imagine the silver foliage of saxifrages weaving a tapestry of color with green primroses, woolly androsace rosettes and the starfish symmetry of hens-and-chicks.

For several weeks this January I had the privilege of exploring the Drakensberg mountains in the Republic of South Africa and the Kingdom of Lesotho. Since these mountains are subject to extremely dry winters most of the wildflowers there bloom from midsummer to autumn, well after the summer rains have begun.

The yellow and the magenta ice plants that have become popular ground covers here in recent years originate in the Drakensbergs. But the plants that impressed me most were the genus *Helichrysum*. Well over a hundred species grow in this mountain range alone, varying from tiny cushion plants to shrubs a yard or more tall. There are helichrysums that bloom in early spring, throughout the summer and into the fall. Since their blossoms are surrounded by papery bracts, they appear to be in full bloom for an extraordinarily long time.

Most importantly, perhaps, practically every plant of this genus is ever-green or ever-silver, providing color and interest throughout the year.

We have assembled an extraordinary collection of helichrysums in the DBG Rock Alpine Garden, and many species are available at the annual Plant and Used Book Sale, provided by local nurseries. Look for *Helichrysum basalticum* (to mention but one): It produces a low, woolly mat not unlike an evergreen woolly yarrow, but with flat mounds of yellow button-like flowers that last from May through summer. On warm days its curry smell can make you hungry hours before lunch or dinner—it is one plant that's not for dieters!

—Panayoti Kelaidis,  
Curator of DBG's Rock Alpine Garden

Upper left:  
*Helichrysum*  
*sessiloides*.  
Below:  
*H. trilineatum*.





## Denver Botanic Gardens Gift Shop

*Featuring in  
May:*

**BARBARA HYDE'S**

**Gardening  
in the  
Mountain  
West**

**AND HUNDREDS  
OF OTHER GAR-  
DENING, BOTANI-  
CAL AND NATURE  
BOOKS**

**Your Gift Shop  
1005 York Street**

## Fete des Fleurs Returns in September

*Fete des Fleurs*, Denver Botanic Gardens' gala benefit event, will be Thursday, September 8, at the Gardens. After a one year absence from the Garden's event calendar, this year's *Fete* promises to be an evening to remember.

New DBG trustee Ginny Freyer will chair the event and is already recruiting her committee. Freyer has served on the *Fete* planning committee in years past and is excited about the prospect of leading the event. Her volunteer experience ranges from various planning committee activities to founding the children's hockey program at Denver Country Club. There is no question that the preparation for this year's *Fete* is in good hands.

Described by Rocky Mountain News society writer James Meadow as DBG's "centerpiece affair" and an "elegant evening," *Fete des Fleurs* will be the place to be September 8. Please mark your calendars.

## School's Not Out at the Gardens

Just because it's summer doesn't mean school will be out at Denver Botanic Gardens. In fact, summertime offers the best opportunity for a wide range of fun, interesting and useful classes.

Members will receive the summer schedule of education programs early in May. As an additional incentive to enroll, the catalog will have a special 10-percent discount coupon, good for any class beginning in June, July or August.

Find out how enjoyable a summer class at the Gardens can be. Use the coupon, or pass it along to a friend.

## Kidding Around at York St., Chatfield

DBG's education department has scheduled two free Kidding Around activities this month.

Children of all ages can enjoy plants in their room, garden or on a patio after participating in Creative Containers at York Street, 10 a.m. to 2 p.m., Saturday, May 14. DBG will provide the plants and soil, children need only to bring a creative container for a plant. Don't overlook unusual jars, food containers or even old tennis shoes!

Wild Wetlands at Chatfield Arboretum May 21 from 10 a.m. to 2 p.m. will allow visitors of all ages to explore the vital role of wetlands in the environment. They will play games, investigate a wetland area and create a cattail souvenir.

## Summertime Kids: Nature & Art Classes

An array of fun courses, from one to four days in length, await children at the Gardens this summer. DBG's Summertime Kids program will offer classes for children from preschool age through those entering sixth grade. There are courses to inspire budding artists, challenge aspiring naturalists and kindle an interest in other cultures. Several classes will include visits to other institutions such as Denver Art Museum and Denver Zoo.

Summertime Kids begins the week of June 4 and continues through August 25. For additional information or to register, contact the education office at 370-8020 (TDD 370-8032).

## Antique Power Show at Chatfield

Chatfield Arboretum and its 19th-century farms will be the setting for hay rides, old tractors, engine displays, craft booths, a tractor pull, threshing demonstrations and food during the annual Deer Creek Olde Tyme Days May 14 and 15.

The weekend event is sponsored by Denver Botanic Gardens and Front Range Antique Power Association.

Hours are 9 a.m. to 5 p.m. each day. Parking inside the arboretum will be \$3 per car. Pets are not allowed. For more information call 973-3705.

*A couple of  
"summertime  
kids" explore the  
Gardens on their  
own.*





## From Your Membership Office:

### Musical Stories, A kazoo... and ice cream too!!!

Join us in John C. Mitchell II Hall on Saturday, May 21, at 2 p.m. when other DBG members and their guests will enjoy the popular "Musical Storyteller," Eric West. Kids 12 and younger and their parents will enjoy West's interactive musical stories, and will have the opportunity to participate with their very own kazoo, provided by the Gardens.

Ice-cream sundaes will be served outdoors following the performance—weather permitting.

Admission is \$2 per person at the door. For children 3 and younger the performance is free. Questions? Please call Amy Capra, 370-8021.

### Arbor Circle advantages

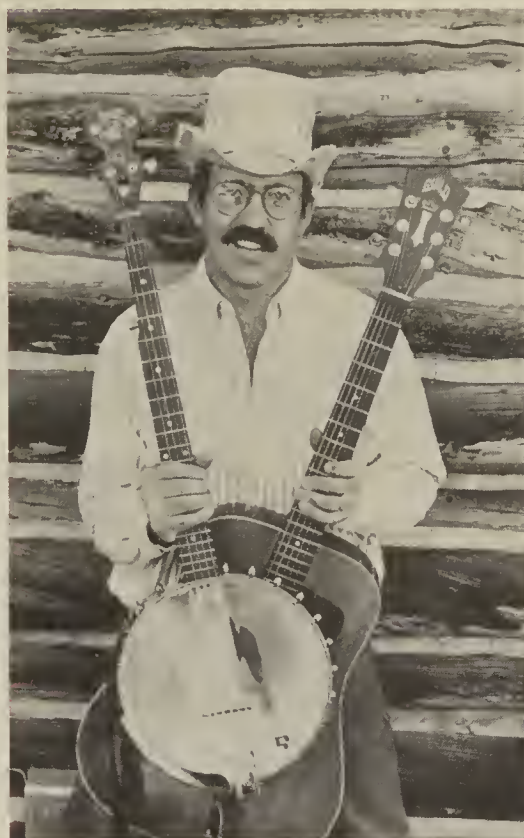
Here are three big advantages of being an Arbor Circle Member (\$50) or higher:

- You receive two membership cards. If you and your partner don't always visit together, this may be helpful to you.
- Each card will admit three persons. You can bring along your children, your grandchildren or your friends any time you visit the Gardens or Chatfield Arboretum.
- You receive discounts on summer concerts. Both the exciting Garden Concerts and the Lollipopalooza Children's Concerts will cost you substantially less with your Arbor Circle-or-above membership.

To join or renew to get some of these advantages, you may speed the process by calling the DBG membership office, 370-8029, with your VISA or Mastercard number. If you want to upgrade your current membership, we can take care of that for you too.

### Breakfast and early morning tour

Members at the Botanist Club level and above are invited to have a continental breakfast at DBG and to tour its gardens in the glory of early morning on Saturday, May 28. Breakfast begins at 8 a.m. To make your reservation, please call 370-8021.



## Facilities Updated at York Street

DBG facilities have undergone a few facelifts over the winter. Members who haven't visited for a few months will find some obvious and some not-so-obvious improvements, especially for visitors who use wheelchairs.

The need for additional bathrooms has been met with the addition of two wheelchair-accessible portable toilets near the Cheesman (west) gate. Nestled among the trees at the north end of Gates Garden and serviced from Cheesman Park, the toilets will be an especially welcome addition when visitation increases during the summer.

An electric door has been installed at the entrance to Lobby Court. It is activated from buttons in the lobby and, on the side where the door swings out, about eight feet in front of the entrance.

Once inside, visitors will find a large brochure rack loaded with information about DBG, its programs and gardens. The rack was salvaged from the DBG Gift Shop, where a magnificent remodeling job has doubled the space for book display. Incredibly, the large, new shelves have also cleared floor space, making the Gift Shop appear much roomier.

Manager of the Gift Shop Sally Lilly has also continued to modernize the facility's cash receipts system. The computerized cash registers can now read merchandise bar codes, greatly speeding up your check-out.

## Bequests Provide Important Support for DBG Programs

Three Denver Botanic Gardens members who during their lifetimes generously volunteered their time and other resources to the Gardens, have each made an ultimate gift to the Gardens through their wills. As a result, the Gardens and its members are enriched.

Ruth Porter Waring, a Gardens founder, charter trustee, long time life-trustee, and extraordinary philanthropist, in a final gesture of generosity provided for DBG through the Ruth Porter Waring Trust. This gift was a culmination of a series of gifts totaling \$369,000 Mrs. Waring made to the Gardens since 1950. Her bequest of \$8,000 has been designated for use in the Waring House. The house, which serves as the Gardens' headquarters, is Mrs. Waring's most visible gift to the Gardens and it seems appropriate that her final gift will be used to make improvements to one of her earliest and most important gifts.

Marian A. Mason, a long time member of the Gardens, made a generous bequest of \$30,000. Mrs. Mason was a Denver school teacher, a lover of flowering plants and a gardener of some skill. The Board of Trustees has designated her gift to the Gardens' current capital campaign to help implement phase one of our long-term plans.

Mary Klinger, a long time volunteer and member, also made a remarkable gift through her estate. Mrs. Klinger spent many hours as an information desk volunteer and assisted the membership office with sales and events. She even opened her home to host a luncheon for DBG volunteers. Mrs. Klinger's gift of \$50,000 will be split between two designations, half for the ongoing capital campaign and half to the Gardens' endowment to provide perpetual support of the Gardens.

A gift by will is often the preferred method of giving for those who wish to make a substantial gift to Denver Botanic Gardens. By their very nature, bequests permit the Gardens to develop programs beyond the normal limitations of annual funding. Bequests are thus an integral part of the total support and an important source of funding for the Gardens.

If you would like information about naming the Gardens in your estate plans, please call the development office, 370-8027. Your inquiry will be kept in strict confidence.

"Musical Storyteller" Eric West will entertain members May 21.



## Coming Up

Classes are in *italics*. An \* indicates the first meeting of a class with more than one session. A ☉ indicates a class held at Chatfield Arboretum. For course information see the spring *Education Programs* or call 370-8020.

### May

- |       |   |       |  |
|-------|---|-------|--|
| 1     | ☉ <i>Designing An Herb Garden</i>   | 15    | <i>The Romance of Herbs</i>  |
| 5     | Preview Party   | 16    | <i>Iris Workshop</i>   |
| 6 & 7 | Plant & Used Book Sale  | 18    | <i>Bats are Back!</i><br><i>The Magic Garden:</i><br><i>How Does a Garden Grow?</i>  |
| 7     | Free Day at Chatfield Arboretum<br>(Colorado residents)   | 19    | * <i>Saving Plants from Extinction</i>   |
| 8     | ☉ <i>Mother's Day Picnic &amp; Flower Walk</i>  | 21    | Musical Stories for Children—Members only!<br>Kidding Around at Chatfield: Wild Wetlands<br><i>Japanese Tea Ceremony I</i> |
| 9     | * <i>Birds of a Feather I</i><br><i>Tree Walk at Fairmount Cemetery</i><br>* <i>Preschool Guide Training</i>                        | 22    | <i>Japanese Tea Ceremony II</i>  |
| 10    | <i>The Art of Espalier—</i><br><i>It's Easier Than You Think!</i><br>* <i>Birds of a Feather II</i>                                 | 25    | ☉ <i>Critters of the Night</i>   |
| 11    | * <i>The Fascinating Fungi</i>  | 27    | ☉ <i>Bird Walks For Beginners</i><br>☉ <i>Ecology &amp; Flora of North Table Mountain</i>                                  |
| 13    | <i>Identifying Colorado Wildflowers I</i><br>* <i>Sensory Tour Guide Training</i><br>☉ <i>Wildflowers of the Plains</i>             | 28-29 | Iris Show  |
| 14    | Kidding Around at York Street: Creative Containers<br><i>For the Love of Lavender</i><br><i>Identifying Colorado Wildflowers II</i> | 28    | Breakfast and Tour:<br>Botanist Club members and above only!   |
|       |   | 29    | <i>Japanese Tea Ceremony III</i>   |



Iris bucharica



## Early Iris Show Promises Different Blossoms

The annual iris show by Region 20 (Colorado chapter) of the American Iris Society will be staged about a week earlier than usual, promising an opportunity to see some different blossoms this year. The show is May 28 and 29. Depending on the weather, the exhibition may include a greater number of species and shorter, hybrid "border" iris, which generally bloom earlier in the season than the much-hybridized "tall bearded" iris.

The show will feature two major divisions. The horticultural section will display individual stems of flowers, grown to near-perfection; the artistic division will give entrants a chance to create arrangements featuring iris blossoms. Competitive entries will come from growers from Fort Collins to Colorado Springs.

The show will open Saturday at noon, allowing the morning for set-up and judging, and Sunday at 9 a.m. It will close at 5 p.m. each day.

## Guild Holds Herb Garden Open House

The Denver Botanic Gardens Guild will hold an open house in the gazebo of the Herb Garden Wednesday, May 18, at 10 a.m. to get acquainted with prospective members and others interested in the garden.

Visitors will receive refreshments and information on the Guild's activities. They can also chat with the Guild members at work in the garden.

Members of the Guild maintain the herb garden and dry flowers and brew herb vinegars for DBG's November Holiday Sale. They also sell herbs at the May Plant and Used Book Sale.

Guild members meet at Denver Botanic Gardens the second Wednesday of each month. For more information please call president-elect Sandy Miller, 237-1764.





## Denver's Best Summer Concerts Introduce Thousands to Gardens

DBG's famous Garden Concerts series begins Friday, June 10. Considered by critics and music lovers alike to be the best summer music schedule in the city, the 12 evenings of international music will introduce thousands of visitors to the Gardens who, otherwise, might remain unfamiliar with the beauty and educational interest DBG offers. It is the 14th summer of music at Denver Botanic Gardens.

The series is presented this year by The Denver Post newspaper, which will provide valuable promotional assistance. It is sponsored by ListenUp Audio/Video and University Hospital with additional promotional support from KBCO 93.7 and KHIH 95.7 FM radio.

For the June 10 opener, The Chieftains, an energetic ensemble with a 30-year performance and recording history, will fill the Gardens' outdoor amphitheater with Celtic music. It will be a high-powered Irish celebration.

June 24 the series gets a shot of West African rhythms and the beautiful voice of Senegalese Youssou N'Dour. The sensual evening he and his 12 musicians and dancers create will go down as the 1994 concert everyone in Denver's music circles will remember.

The series' classical offering will be Chamber Music From The Bravo! Colorado Music Festival July 8. Violinist Ida Kavafian and chamber group will perform duos, quartets and sextets.

Michael Doucet & Beausoleil return to the Gardens July 22 for their third appearance before DBG audiences. We are fortunate that this extremely popular group chose the Gardens for its 1994 regional home. The cajun-plus music will have you dancing on the grass.

The Lincoln Center Jazz Orchestra plays July 29. Possibly the best band of its kind anywhere, it will pay tribute to all the American greats and swing out newly commissioned works for big band.

August 5 the series continues with vocalist Laura Nyro. She will share with the DBG audience a soaring voice and passionately joyful songs.

La Bottine Souriante, a dance band from Quebec, will play August 11.

## Green Thumb

# NEWS



### Denver Botanic Gardens

June 1994

Number 94-6



Complete with piano, guitar and brass, this is happy music (the name means "The Smiling Boot") from north of the border.

Pianist Pablo Ziegler leads The Quartet for New Tango August 18, hot music for a hot summer evening. Seductive new compositions will join arrangements of tango classics.

Tito Puente and His Latin All-stars will be such a popular concert it will be presented twice, August 24 and 25. Puente has been the undisputed reigning king of Latin jazz for 40 years.

Another double-header, Bela Fleck and the Flecktones, closes DBG's season September 1 and 2. Don't wait to buy tickets. If past response by Denver Botanic Gardens audiences is an indication, tickets for

these concerts—a wonderful amalgam of bluegrass, jazz, classical and world music—will go fast.

All concerts begin at 7:15 p.m. The gate opens at 6 p.m. The most convenient parking will be just a romantic double-decker bus ride away, in the Calvary Temple parking lot at University and Alameda boulevards and in the Cherry Creek Inn parking lot at Colorado Boulevard and Cherry Creek Drive South. (Look for "DBG Event Parking" signs.) The free buses will ply frequently between the lots and the Gardens from 4:15 to 10:15 p.m.

Bus riders will have a chance to win two Continental Airline tickets.

For a descriptive concert brochure, with prices and ticket information, call 370-8187.

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page 3

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page 4

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Page 7



## A Corporate Friend of the Gardens

Very few organizations are as important to our daily business and personal dealings as financial institutions. Without their help few corporations would exist, and owning a home or car would be virtually impossible. First Federal Savings Bank is doing its part to give something back to the community through participation as a corporate member of the Gardens.

In addition to being the oldest thrift institution in our state, First Federal boasts a long list of accomplishments: surviving the Great Depression; receiving the first savings and loan charter in Denver; building assets of more than \$1 billion; and the distinction of being the largest publicly owned financial institution in Colorado. An important part of the Denver business community, First Federal has also shown its desire to be involved in cultural and educational programs through its continued support of DBG.

## Tributes

**In memory of Carla Adams**  
Mr. & Mrs. Harlan H. Holben

**In memory of Ada Terry Gorman**  
Elaine Higgins & family  
Virginia DeCaigny & family  
Dr. & Mrs. Donald M. Roberts  
Mr. Michael J. Gorman  
Mr. & Mrs. James L. McClain

**In memory of Elvia Gauss**  
Ladies of the Potpourri Workshop  
Dr. & Mrs. Robert M. Kosanke  
Ms. Jean J. Thompson  
Ms. Mildred Hiegert  
Mrs. Leo W. Stasica  
Ms. Marion E. Welty  
Mrs. Theodore Washburne

**In memory of George Inai**  
Mr. & Mrs. Roy Nagai

**In memory of Mary Jump**  
Ladies of the Potpourri Workshop  
Dr. & Mrs. Robert M. Kosanke

**In memory of Dick Kintzele**  
Mr. & Mrs. K.L. Nelson

**In memory of Byron F. "Bud" Link**  
Mr. Pat Sosnowski &  
Ms. Linda Potwora

**In memory of Gwendolyn Weatherwax**  
National Conference  
of State Legislatures

**In memory of Oreta M. Vetting**  
Mr. & Mrs. Richard W. Hammeln  
strict confidence.

## Teacher Training

Classroom teachers of kindergarten through grade 12 are encouraged to participate in one or more teacher training programs this summer at the Gardens. The courses focus on hands-on activities and demonstrations that can be taken back to the classroom.

Two classes will be available in June. Plants as Educational Tools is June 22 and 23 from 8:30 a.m. to 4:30 p.m. Intended for teachers of grades K-8, this course will focus on activities and structures for indoors and out to make gardening more accessible to all students. The cost is \$130, including one hour of graduate recertification credit.

Teachers of grades 6-9 have a special course, Making Japanese Culture Come Alive, which focuses on Japanese art and landscape. This class will also provide additional background information for a free classroom visit program titled Japan and America: Views of Nature Near and Far. The class meets 8:30 a.m. to 3:30 p.m. on Friday, June 24, at DBG and for 90 minutes at the Denver Art Museum on either June 25 or July 9. Register for this free course by calling the DBG education office at 370-8043 (TDD 370-8032). One-half graduate recertification credit is available for \$35 through the Colorado School of Mines.

Wetlands Institute for Teachers is a week-long exploration of wetland areas and functions. It meets 8 a.m. to 4:30 p.m. from July 18 to 22. Kindergarten through 12th grade teachers will learn about wetland sites at the Chatfield Arboretum and other locations and explore the adaptations wetland plants and animals possess. The cost of the course is \$190 and includes 2.5 credits of graduate recertification credit.

Rounding out the summer schedule is a two-session course focusing on the facilities of both DBG and the Denver Museum of Natural History. Museum & Botanic Gardens: Natural History Comes Alive is intended for K-12 teachers. It meets 8:30 a.m. to 3:30 p.m. on August 13 and 20. Cost is \$90, including one graduate recertification credit.

For additional information about any of these programs, contact DBG Youth Education Specialist Geri Warfield at 370-8043. To register for course credit, please call the Colorado School of Mines at 370-8033.

## Employee of the Month

Steve Younger, senior accountant, was chosen DBG May Employee of the Month.

Steve has done the work of three people during the past several months. Not only has he managed to complete his regular duties, but he has been the "acting" chief financial officer and the "acting" network administrator as well.

Despite this overload, Steve has maintained his friendly attitude, sense of humor and willingness to step in to help. He's handled the multitude of interruptions, day-to-day problems and deadlines with a positive, can-do attitude.

We applaud you, Steve.

## SCFD Enables Free Admission at Denver Cultural Institutions

Several times in June have been set for free admission, made possible by funds from the Scientific and Cultural Facilities District, to Denver's major cultural institutions:

- Denver Art Museum every Saturday;
- Denver Botanic Gardens every Sunday morning;
- Chatfield Arboretum June 4;
- Denver Museum of Natural History June 6.

Special educational fun for families is scheduled for DBG's free Sunday mornings throughout the summer.

A complete schedule of free times through 1994 at these institutions and at the Denver Zoo is available at the information desk in DBG's lobby.

## Green Thumb News Number 94-6 June 1994

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206

Editor: Larry Latta, 370-8033

Deadline for August issue: June 17

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.





## Families Turn to DBG for Summer Entertainment Series

Denver Botanic Gardens remains the only Front Range venue offering a complete summer series of entertainment especially for children. The 1994 series begins Wednesday, June 22.

The family concerts are presented by The Denver Post newspaper, and sponsored by ListenUp Audio/Video and Great-West Life Assurance Company. Additional media support will be provided by KHHH 95.7 and KDVR Channel 31.

The high-energy DBG concerts will encourage active audience interaction, so prepare the kids for having fun.

**Tiny Tots**—Inside the Orchestra, As Created by the Junior Symphony Guild, Inc., the evening of June 22, is an innovative introduction to the orchestra by conductor Tom Jensen and a 30-piece ensemble. It is especially recommended for preschoolers and toddlers.

The Steel Bandits, 12 performers on steel drums and other percussion, will play the happy sounds of Trinidad and the Caribbean July 14.

The July 20 children's concert will be **Riders in the Sky**, familiar to kids from their television and radio shows. The cowboy concert will have kids up and moving around with excitement.

Rory and the Knock-Your-Socks-Off Band, from cable television's The Learning Channel, will present another exciting concert especially appealing for toddlers and preschoolers August 3. Parents, too, can expect to love this exciting evening.

The series closes with a reprise from last year of The Marching Band Show. Kids should bring a drum, a kazoo or noisy pan, because they and three bands will parade throughout the Gardens this evening together.

All concerts begin at 7 p.m. and will last approximately an hour. The gate opens at 6:15 p.m. Convenient free parking will be provided in the Calvary Temple parking lot at University and Alameda boulevards and in the Cherry Creek Inn parking lot at Colorado Boulevard and Cherry Creek Drive South. (Look for "DBG Event Parking" signs.) Kids will love the exciting free double-decker bus ride; buses will shuttle frequently between the lot and the Gardens from 4 to 8:30 p.m.

Bus riders will have a chance to win two Continental Airline tickets.

For a descriptive brochure, with prices and ticket information, call 370-8187.



*Free outlying parking and double-decker buses are a fun alternative for getting to DBG's concerts and larger events this summer.*

## DBG Provides Free Parking, Shuttles for Concerts, Events

Denver Botanic Gardens will provide free parking at two out-lying lots this summer for people attending concerts and the Japanese and Chile Harvest festivals. Free buses will make the short trips to and from the Gardens at brief intervals for maximum convenience.

The lots are located at Calvary Temple, University and Alameda boulevards, and at Cherry Creek Inn, on the east side of Colorado Boulevard at Cherry Creek Drive South. Look for "DBG Event Parking" signs.

DBG concert goers should read carefully the information included with their tickets; parking on several streets adjoining the Gardens is restricted for use only by residents with permits. A parking ticket in the restricted area carries a \$50 fine.

To keep this a hassle-free summer, take advantage of the helpful double-decker bus rides when you visit the Gardens to attend concerts or large events.

Bus riders will have a chance to win two Continental Airline tickets.

For information call the DBG events line, 370-8187.

## Kids' Classes Explore World of Nature

From bugs to fairy tales, deserts to rainforests, DBG's Summertime Kids program allows children to stretch their imaginations and explore the world of nature. The classes, available mornings or afternoons one to four days a week, are for students 3 to 11 years old.

Don't miss the summer excitement at the Gardens. Call 370-8043 for the complete Summertime Kids schedule.

## Able Gardening:

### Special Hoes Make Weeding Easy

Where do they all come from? Your spring garden was orderly, your plants thriving. And then, one day, you look, and weeds have taken over.

It's amazing how resilient and prolific these unwelcome garden visitors can be. Seeds can lay dormant underground, seemingly forever. Then they sprout in abundance when brought to the surface by digging and watering.

But weeds don't need to be the hassle we fear them to be.

Sometimes, you will get lucky and come across edible weeds, such as lamb's quarters, a tasty early green that makes, among many dishes, delicious quiche. Getting rid of it is a culinary treat.

But if disposing of your weedy intruders by eating them is not your thing, then heed this advice: Get them while they are small, and use high-quality tools made especially for the job.

Be on the lookout for young annual weeds, and chop them off below the soil surface with a long-handled Swedish or Dutch hoe. This back-saving tool allows for an upright posture and a pushing or pulling motion for cutting. The tool's head is diamond shaped, very sharp on all four sides. It really does make weeding easy, as long as you don't wait until the weeds are too big and tough-rooted.

Another worthwhile implement is a scuffle hoe, which cuts when both pulled and pushed, requiring very little back bending or strain.

Both hoes are available in specialty garden stores—and both are well-worth the time it takes to find them.

—Rebecca Haller  
DBG Horticultural Therapist



## Japanese Festival Fathers Day Weekend

Denver Botanic Gardens will host its second Japanese Festival Friday and Saturday, June 18 and 19. The annual celebration of Japanese culture will feature demonstrations, entertainment and food in and around the amphitheater and DBG's Japanese garden.

The Japanese Festival is cosponsored by Teikyo Loretto Heights University, the Center for Japan Studies, the Rocky Mountain News and DBG.

*Left:  
Several styles of  
martial arts will be  
demonstrated in  
DBG's amphitheater during the  
Japanese Festival.*

Among the activities will be koto music, folk and classical dancing, tea ceremony demonstrations, tours of the Japanese garden and martial arts exhibitions.

Festivities begin with an opening ceremony at 11 a.m. Saturday. Sunday activities begin at 9 a.m. They continue non-stop until 6 p.m. each day. (See the brochure included in this issue of GTN.)

The festival features several exhibitions of Japanese art forms from 9 a.m. to 6 p.m. each day.

### Former DBG Curator Honored



Kai Kawahara

Kai Kawahara, who retired December 31, 1992 as curator of DBG's Japanese garden, will be the honoree of the 1994 Japanese Festival. Kawahara will be honored for his many years of dedication to the horticultural traditions of Japanese landscaping.

Kawahara joined DBG's staff in April 1981, after a long career as a nursery-

man. He was the first and sole curator of DBG's Japanese garden, Shofu-en, Garden of Pine Wind, which was designed by world-famous landscape architect Kowichi Kawana and dedicated in 1980.

Working with Kawana's framework of water, boulders and pines, Kawahara crafted the garden into one of the finest examples of Japanese landscape tradition in the nation. He is also a master of bonsai whose trees are universally admired.

Kawahara will be honored at a pre-festival breakfast the Friday before the festival



### Bonsai Exhibition

The Rocky Mountain Bonsai Society will stage its 25th annual Bonsai Exhibition in John C. Mitchell II Hall. This show, one of the most exciting horticultural exhibitions of the year, will display more than a hundred bonsai plants, some several hundred years old and in training for more than 20 years. Trees trained by members of the Rocky Mountain Bonsai Society are admired the nation over for their artistry.

Bonsai plants will be for sale, and society experts will conduct a continuous forum on the training and care of plants. Visitors may buy tickets for a drawing for four bonsais—total value of \$200—to be given away during the show; winners will also receive a complimentary membership in the society.

### Japanese Fish Show

The Rocky Mountain Koi Club will hold its koi show outdoors near the Gardens' main water plant display.

The show will feature fancy orange, gold, black, silver and white Japanese pond fish. Fish suitable for beginning collectors and aficionados will also be for sale.

Elsewhere, in the lobby, Sogetsu flower arranging, dolls, Japanese crafts and kimonos will be displayed.

### Buy, Buy, Buy!

Around the Gardens, concessionaires will offer Japanese food, areogami, rice paper art, kites, wind-socks and books.

Children of all ages will exercise their creativity during Kidding Around: Origami Art. Participants will make origami plants and animals from 10 a.m. to 2 p.m. each day.

The Japanese Festival was organized with the assistance of an advisory committee of prominent Coloradans interested in furthering understanding and appreciation of the people and traditions of Japan: Mr. Steve Christianson, 1994 show chairman of Rocky Mountain Bonsai Society; Mr. Darell Havener, president of Rocky Mountain Bonsai Society; Dr. William Hosokawa, honorary consul of Japan; Mr. Eiichi Imada, publisher of Rocky Mountain Jiho newspaper; Mrs. Kathryn Kawakami, teacher and volunteer; Mr. Tom Masamori of Japanese American Citizen League; and Ms. Misty McConahay, Japan America Society of Colorado.

Other community assistance is being provided by students of Teikyo Loretto Heights University, Center for Japan Studies, and fourth grade art students of Vanderhoof Elementary School.

For information call 370-8187.

## Create Your Own!

Bonsai Tools

Flower Arranging Materials

Japanese Containers

Books • Books • Books

Denver Botanic Gardens Gift Shop • 1005 York Street



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## Japanese Festival Fathers Day Weekend

Denver Botanic Gardens will host its second Japanese Festival Friday and Saturday, June 18 and 19. The annual celebration of Japanese culture will feature demonstrations, entertainment and food in and around the amphitheater and DBG's Japanese garden.

The Japanese Festival is cosponsored by Teikyo Loretto Heights University, the Center for Japan Studies, the Rocky Mountain News and DBG.

Among the activities will be koto music, folk and classical dancing, tea ceremony demonstrations, tours of the Japanese garden and martial arts exhibitions.

Festivities begin with an opening ceremony at 11 a.m. Saturday. Sunday activities begin at 9 a.m. They continue non-stop until 6 p.m. each day. (See the brochure included in this issue of GTN.)

The festival features several exhibitions of Japanese art forms from 9 a.m. to 6 p.m. each day.

### Former DBG Curator Honored

Kai Kawahara, who retired December 31, 1992 as curator of DBG's Japanese garden, will be the honoree of the 1994 Japanese Festival. Kawahara will be honored for his many years of dedication to the horticultural traditions of Japanese landscaping.

Kawahara joined DBG's staff in April 1981, after a long career as a nursery-

man. He was the first and sole curator of DBG's Japanese garden, Shofu-en, Garden of Pine Wind, which was designed by world-famous landscape architect Kowichi Kawana and dedicated in 1980.

Working with Kawana's framework of water, boulders and pines, Kawahara crafted the garden into one of the finest examples of Japanese landscape tradition in the nation. He is also a master of bonsai whose trees are universally admired.

Kawahara will be honored at a pre-festival breakfast the Friday before the festival

*Left:  
Several styles of  
martial arts will be  
demonstrated in  
DBG's amphi-  
theater during the  
Japanese Festival.*



### Bonsai Exhibition

The Rocky Mountain Bonsai Society will stage its 25th annual Bonsai Exhibition in John C. Mitchell II Hall. This show, one of the most exciting horticultural exhibitions of the year, will display more than a hundred bonsai plants, some several hundred years old and in training for more than 20 years. Trees trained by members of the Rocky Mountain Bonsai Society are admired the nation over for their artistry.

Bonsai plants will be for sale, and society experts will conduct a continuous forum on the training and care of plants. Visitors may buy tickets for a drawing for four bonsais—total value of \$200—to be given away during the show; winners will also receive a complimentary membership in the society.

### Japanese Fish Show

The Rocky Mountain Koi Club will hold its koi show outdoors near the Gardens' main water plant display.

The show will feature fancy orange, gold, black, silver and white Japanese pond fish. Fish suitable for beginning collectors and aficionados will also be for sale.

Elsewhere, in the lobby, Sogetsu flower arranging, dolls, Japanese crafts and kimonos will be displayed.

### Buy, Buy, Buy!

Around the Gardens, concessionaires will offer Japanese food, areogami, rice paper art, kites, wind-socks and books.

Children of all ages will exercise their creativity during Kidding Around: Origami Art. Participants will make origami plants and animals from 10 a.m. to 2 p.m. each day.

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For information call 370-8187.



Kai Kawahara

## Create Your Own!

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Flower Arranging Materials

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Books • Books • Books

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# Japanese Festival

June 18 & 19

1994

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# Japanese Festival

## June 18 & 19, 1994



Denver Botanic Gardens

Set against the backdrop of *Shofu-en*, Garden of Pine Wind, Denver Botanic Gardens' world renowned Japanese garden, the Japanese Festival highlights the rich and colorful culture of the Japanese people.

Music, dance and martial arts demonstrations will be in the amphitheater. Kathy Ajsaka will be your master of ceremonies.

The Japanese Festival committee is pleased to honor Mr. Kai Kawahara for his many years of dedication to the horticultural traditions of Japanese landscaping.

Admission (general gate fees): \$4 adults, \$2 seniors age 65 and older, \$2 children age 6-15, children 5 and under free. Sunday 9 a.m. to noon free admission for everyone.

Free shuttle bus service from the parking lots of Calvary Temple, University Blvd. and Alameda, and from Cherry Creek Inn, Colorado Blvd. and Cherry Creek Drive South.

A special thank you to: Dr. William Hosokawa, Mr. Steve Christianson, Mrs. Setsuko Fuller, Mr. Darell Havener, Mr. Eiichi Imada, Mrs. Kathryn Kawakami, Mr. Tom Masamori, Ms. Misty McConahay, Students of Teikyo Loretto Heights University, Center for Japan Studies, Fourth grade art students of Vanderhoof Elementary School (Beth Tubock, teacher).

### Activities

#### In the Education Building

Rocky Mountain Bonsai Society Show  
Ikebana display: Sogetsu, Colorado Branch  
Doll display: Kimiko Side, Instructor  
Japanese Crafts: Kimiko Side, Instructor  
Kimono Display, Miyako Smith  
Denver Botanic Gardens Gift Shop

#### In the outdoor festival area

Rocky Mountain Koi Club Show  
Bonsai sale: Colorado Bonsai, Ltd.  
Bonsai demonstrations: Rocky Mountain Bonsai Society  
Aerogami: John Starnes  
Rice Paper Art: Yasuko Nonaka  
Origami, windsocks, crafts: Kobun-Sha  
Japanese crafts: Ruth and Pam Shinto  
Virginia Ito  
Westridge Young Writers Workshop  
Haiku: Students of Lukas Elementary School, Peiffer Elementary School, Zenger Elementary School  
Personalized kites: calligraphy by Teikyo Loretto Heights University students  
Origami activity for children  
Tattered Cover Book Store  
Denver Art Museum  
Denver Museum of Natural History  
Japanese and American food concessions

#### Saturday,

9 a.m. - 1:30 p.m.  
11:30 a.m.

1:30 - 6 p.m.

2 p.m.

#### Sunday,

9 a.m. - 1:30 p.m.

1:30 - 6 p.m.  
2 p.m.

#### In the Japanese Garden

Tours of *Shofu-en* Garden of Pine Wind  
Tea ceremonies in the Tea House:  
Kathryn Kawakami

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### Schedule

Saturday, June 18  
10 a.m.

**Naginata**  
(Martial Arts)

Rocky Mountain Naginata Federation:  
Candice Tsutsui  
Diana Payne

11 a.m.

**Opening Ceremony**

11:15 a.m.

**Koto Music**

Koto Colorado:  
Junko Shigeta, Instructor  
Hiromi Ahlstrom  
Reiko Myers  
Miyoko Fosett  
Sherri Shibata  
Misako Brazzell

**Folk Dancing**

Shirakaba No Kai,  
White Aspen Women's Group

**Vocalist**

Henry Jones

12 noon

**Kendo and Iai-do**  
(Martial Arts)

Rocky Mountain Budokan:  
Umemoto Sensei  
Iwakabe Sensei

1 p.m.

**Shaku-Hachi**  
(Bamboo-flute)

Dick Matsueda

2 p.m.

**Koto music**

Koto Colorado:  
Junko Shigeta, Instructor  
Hiromi Ahlstrom  
Reiko Myer  
Miyoko Fossett  
Sherri Shibata  
Misako Brazzell

**Folk Dancing**

Shirakaba No Kai,  
White Aspen Women's Group

**Vocalist**

Henry Jones

**Karate**  
(Martial Arts)

Denver Japanese Karate Center:  
Kurobane Shihan

3 p.m.

**Aikido**  
(Martial Arts)

Rocky Mountain Ki Society

4 p.m.

**Kyudo**  
(Martial Arts)

Kanjuro Shibata XX  
Peter Swift  
Scott Spanabauer

5 p.m.

Sunday, June 19  
10 a.m.

**Naginata**  
(Martial Arts)

Rocky Mountain Naginata Federation:  
Candice Tsutsui  
Diana Payne

11 a.m.

**Koto music**

Sho Fu-Kai:  
Shigeko Kato  
Kathryn Kawakami  
Mitsuye Hikida  
Nobuko Ninomiya  
Sherri Shibata  
Reiko Urano

**Vocalist**

Nobuko Ninomiya

**Classical Dance**

Instructor, Madame Bando Miyoka  
Yukiko Kawamura  
Chizuko Ennis

12 noon

**Taiko music**

Denver Taiko

12:30 p.m.

**Shaku-Hatchi**  
(Bamboo-flute)

Dick Matsueda

1:15 p.m.

**Kendo and Iai-do**  
(Martial Arts)

Rocky Mountain Budokan:  
Umemoto Sensei  
Iwakabe Sensei

2 p.m.

**Koto music**

Sho Fu-Kai:  
Shigeko Kato  
Kathryn Kawakami  
Mitsuye Hikida  
Nobuko Ninomiya  
Sherri Shibata  
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**Vocalist**

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3 p.m.

**Aikido**

Rocky Mountain Ki Society

4 p.m.

**Kyudo**

Kanjuro Shibata XX  
Peter Swift  
Scott Spanbauer



Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc. for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is grateful for funds from the Scientific and Cultural Facilities District (SCFD), which enable the Gardens to better maintain its facilities, expand services and enhance the quality of programs and exhibits.



Teikyo Loretto Heights University



Continental





## Planning Is Key to Water Garden

If water gardening fever strikes when you visit the June 12 sale by the Colorado Water Garden Society, resolve from the beginning to build as large a pond as you can—you will always find one more plant you just have to grow. Look around DBG's water displays and marvel at the variety of water and bog plants you can grow at home.

Besides planning "big," a few other thoughts ahead of time will make your water gardening both fun and successful.

Pick the location of your pond carefully. Water lilies need a lot of sunshine to bloom well. Also, keep in mind that nearby trees will not only shade your pool but will drop their leaves into it.

Do you need electricity to power a fountain or waterfall? Install only weatherproof, shockproof GFI (ground fault interrupt) outlets. A permit may be required in your municipality. And make sure you locate all underground utility lines before you start digging.

Where will your water come from? If it is city water, what does the city use to control bacteria? Chloramine or chlorine require caution, especially if you will be raising fish in your pool. If it is well water, it may need treatment before use for either water plants or water animals.

Where and how will you drain your pond? You may want to build it higher than the surrounding area so that runoff from lawns or mud from heavy rains don't contaminate the water in your pool.

When it comes time to install your plants, here are a few pointers about planting: You can use either plastic or clay pots, somewhere around a foot and a half across.

Place the tubers of hardy water lilies near the edge of the pot, with the growing tip above soil level and pointed toward the middle of the pot. Plant tropical lilies in the center of the pot, again with the growing tip above the soil's surface. Add a layer of sand or small gravel on top of the soil to keep it from muddying your pond.

One last precaution: A pond, as any garden, will require maintenance. So plan to get dirty and wet!

—Ellen Westbrook  
Colorado Water Garden Society

## Caring for Your Container Garden

Now that you've discovered container gardens are no longer just for the balconies or patios of city dwellers with little outdoor space, here are a few tips to carry you and your plants through the hot summer months ahead.

Plants in a container garden—whether a single upright juniper in a large redwood tub or a French garden of colorful annuals and sprengeri asparagus—will dry out much faster than plants in open soil. In hot, windy weather you will need to water them often, perhaps more than once a day.

A good rule of thumb is, water when the top inch of soil feels dry to the touch when you scratch into it. Water enough so that water begins to flow from the drainage hole in the bottom of the container.

Because you water containers more often, you will also have to fertilize more often. Liquid fertilizers are convenient and fast-acting. Light applications twice a month should be sufficient to maintain vigorous plants during the growing season.

Containers add a new dimension to any outdoor scene. With a bit of extra attention, yours will fulfill its spring promise all summer long.

—Nicholas R. Snakenberg  
Horticultural Supervisor

## Water Gardens Lure Backyard Wildlife

One of the essentials for attracting wildlife is water for small animals, birds and butterflies to drink and bathe in. A permanently wet place may even become home to those marvelous slug and bug eaters, toads.

DBG will offer a class Saturday, June 11, from 9 a.m. to noon that will cover simple pond ecosystems, ideas for water sources and planning a small pond or container water garden.

Led by Ellen Westbrook, past president of the Colorado Water Garden Society, "Water Gardens for Backyard Wildlife" is the day before the society's annual sale at the Gardens. You can take the class for ideas, then buy the plants for your wet wildlife habitat.

Registration is \$13.50 for DBG members. To reserve your seat in class, call 370-8020.

## Water Plant Sale at DBG June 12

The Colorado Water Garden Society will hold its annual sale of water plants and bog plants at the Gardens Sunday, June 12, 11 a.m. to 3 p.m. on the patio just inside the York Street entrance.

If you missed the society's helpers at the Plant and Used Book Sale in May, this is your second great chance to buy choice plants and talk with experts about your own water garden dreams. The society is a strong supporter of the DBG's outstanding collection. For more information, call Ellen Westbrook, 690-2613.

## Tours for Preschoolers Explore Sensory Garden

Summer is an outstanding time to share nature with young children. Tours specifically designed for preschoolers are available in the Morrison Center this summer at 10 a.m. and 12:30 p.m. on Mondays and Wednesdays. Guides use puppets and a friendly scarecrow to teach children about plants, then lead them on a sensory exploration of the center's special garden.

The tours are free, but registration is required six weeks in advance. To reserve a time for your preschool group, call 370-8020 (TDD 370-8032). Tours will run through September.

## Sensory Garden Summer Tours For Members

Tours of DBG's Sensory Garden at the Morrison Horticultural Demonstration Center, between Josephine and York streets on 11th Avenue, will be offered to the public this year. In past years the tours have been limited to registered groups from hospitals, nursing homes, mental health centers and other agencies providing therapy for people with disabilities.

The new free public tours will be every Friday at noon through September.

Members are invited to take their Friday lunch breaks at the Gardens' Sensory Garden and join DBG's specially trained guides for an hour of sight, sound, smell and taste stimulation.

Agencies may still reserve special tours for 9 a.m. to 3 p.m. on Tuesdays and Fridays. For information on either the public or reserved tours for seniors, please call the education office at 370-8020.



# Japanese Festival

June 18 & 19  
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## New and Renewing Conservator's Society and Botanist Club Members

DBG is pleased to welcome the new and renewing "upper level" members who have joined the Gardens during the first quarter of the year. Your support is greatly appreciated.

### Conservator's Society

Mr. & Mrs. Paul W. Burkett  
 Ms. Lucy W. Chamberlain  
 Mr. & Mrs. Richard Elsner  
 Mr. & Mrs. Frank A. Estey  
 Mr. & Mrs. Max P. Grassfield  
 Mr. & Mrs. Edward B. Horton, Jr.  
 Mr. & Mrs. Frank A. Kugeler  
 Dr. & Mrs. John F. Roberts  
 Mr. & Mrs. W. L. Robinette  
 Mr. & Mrs. James H. Shaner  
 Mr. & Mrs. Stephen M. Strachan  
 Mr. & Mrs. Spier D. Whitaker  
 Mr. & Mrs. Herbert L. Wittow  
 Mr. & Mrs. Wallace Zellmer

### Botanists Club

Mr. John D. Abernathy  
 Mr. & Mrs. Craig Abramson  
 Ms. Barbara A. Allen  
 Mrs. Velma Andrews  
 Mr. & Mrs. J. William Artist  
 Mr. & Mrs. Russell E. Atha, III  
 Mr. Randy Barbour  
 Ms. Linda K. Barclay  
 Mr. & Mrs. Michael Barish  
 Mr. C. Thomas Bastien  
 Ms. Marjorie Bauman  
 Mr. & Mrs. John F. Bayard  
 Mr. & Mrs. Arthur Berlinger  
 Mr. & Mrs. Robert Bierbach  
 Mrs. Margaret D. Binet, C.P.C.F.  
 Ms. Janelle Blair  
 Mr. & Mrs. Peter Blair  
 Mr. & Mrs. Eugene Bowers  
 Mr. & Mrs. Joe Branney  
 Dr. & Mrs. Horace Brayshaw  
 Mr. & Mrs. Rodney Brockelman  
 Mrs. Dorris I. Brown  
 Mr. & Mrs. Suzanne Brown  
 Ms. Carol A. Buckley  
 Dr. & Mrs. Walter J. Bushnell  
 Mr. & Mrs. Owen B. Butler  
 Mr. & Mrs. Cletus E. Byrne, Jr.  
 Mr. & Mrs. Nancy K. Cain  
 Mr. & Mrs. Donald C. Campbell  
 Mr. & Mrs. H. Patrick Carr  
 Mr. & Mrs. Scott Cashin  
 Mr. David Chadwick  
 Ms. Merle C. Chambers  
 Ms. Phyllis M. Clark  
 Dr. & Mrs. Charles W. Cleworth  
 Mr. & Mrs. David Coder  
 Dr. Dana L. Cogan  
 Mr. & Mrs. Vincent Collison  
 Mr. & Mrs. G. K. Conwick  
 Mr. & Mrs. Gayle Corey  
 Mr. & Mrs. Theodore Cox  
 Ms. Susan Crane  
 Mrs. Peggy Cronin  
 Ms. Hiedi Culbertson  
 Dr. & Mrs. Scott K. Cunningham  
 Mr. & Mrs. R. Terry Danhour  
 Mr. & Mrs. Richard G. Daniels  
 Mr. & Mrs. Arthur Davidson  
 Mrs. Mildred Davis  
 Mr. Rodney S. Davis  
 Mr. Tyson Dines, III

Ms. Cate Dobson  
 Mr. David Dolinger  
 Mr. Dell Dorn  
 Ms. Rosalie Dunham  
 Mr. & Mrs. Philippe Dunoyer  
 Mr. Kevin Edwardson  
 Mr. & Mrs. Peter M. Eggleston  
 Dr. & Mrs. Gerald M. English  
 Ms. Teddy S. English  
 Mr. & Mrs. Donald D. Estey  
 Ms. Georgianna Fargo  
 Ms. Linda Fenner  
 Ms. Lillian Filegar  
 Mr. Bob Fleming  
 Mr. & Mrs. Joel Flory  
 Mrs. Ann FremontGuillot  
 Mr. & Mrs. David Freyer  
 Ms. Mary A. Gaffigan  
 Mr. & Mrs. Mark T. Gallagher  
 Dr. & Mrs. Richard C. Garbe  
 Ms. Cynthia Garnier  
 Mr. & Mrs. Melvin M. Gart  
 Mr. Michael W. Gaughan  
 Mr. & Mrs. Norman Gebhart  
 Ms. Janet Gebow  
 Mr. & Mrs. Bruno Gegenschatz  
 Mr. & Mrs. Art Gelwick  
 Mr. David A. Gesink  
 Mr. & Mrs. Charles Gibbs  
 Ms. Solange G. Gignac  
 Mrs. Marilyn Girouard  
 Mr. & Mrs. Frank Giuliano  
 Dr. & Mrs. Alba R. Glassburn  
 Mr. & Mrs. Laurie S. Glezen  
 Mr. & Mrs. Henry W. Gossard  
 Dr. R.J. Graham  
 Mrs. E. H. Grant  
 Mr. & Mrs. Arnold Greenberg  
 Mr. & Mrs. Al Hanner  
 Mr. & Mrs. Wendell Hatfield  
 Mr. James Hawkey  
 Ms. Sherry A. Heater  
 Dr. & Mrs. J. Roger Hollister  
 Mr. Lynn E. Hornbrook  
 Dr. Kathryn Howell  
 Mrs. Janice Howes  
 Mr. & Mrs. Joseph L. Huddleson, Jr.  
 Mr. David Hunsaker  
 Mr. & Mrs. Terry Jennings  
 Ms. Cicely G. Kane  
 Mr. & Mrs. David A. Kelly  
 Mrs. Joanna Kelly  
 Ms. Patricia Kempner  
 Mr. & Mrs. Robert Kessler  
 Mr. & Mrs. Arthur W. Kidder  
 Mr. & Mrs. Dwight Kimsey  
 Ms. Doris Kleppinger  
 Mr. & Mrs. William C. Knodt  
 Dr. & Mrs. Richard P. Koeppe  
 Mr. & Mrs. George E. Konopka  
 Dr. Lawrence M. Kuljis  
 Mr. & Mrs. Allan E. Lackner  
 Col. & Mrs. Arthur Larson  
 Mr. & Mrs. Dean Laudeman  
 Mr. & Mrs. Ralph Lewis  
 Mr. Thomas M. Long  
 Mr. Roy Maddox  
 Mr. & Mrs. Pat Maley  
 Mr. & Mrs. J. Kenneth, Malo, Jr.  
 Mr. & Mrs. Henry A. Marr  
 Mr. Brian P. McIntyre  
 Mr. & Mrs. Michael McLaughlin  
 Mr. & Mrs. Bert T. McMurtry

Ms. Laura J. Metzger  
 Mr. & Mrs. Glenn E. Michael  
 Mr. & Mrs. John C. Mitchell, III  
 Mr. Davis W. Moore  
 Mr. & Mrs. Willett S. Moore  
 Mr. Cecil Morehouse  
 Mrs. Cynthia Morrow  
 Dr. Adam M. Myers  
 Mr. & Mrs. William D. Neighbors  
 Mr. & Mrs. Michael L. Nichols  
 Mr. & Mrs. Van N. Nichols  
 Mrs. Susan T. Noble  
 Dr. Dorothea E. Olkowski  
 Mr. & Mrs. John Osborn  
 Mr. & Mrs. Richard C. Parvin  
 Mr. & Mrs. Eric Peterson  
 Mr. & Mrs. John Polcyn  
 Mr. Tommy Powell  
 Mr. & Mrs. C. W. Reiquam  
 Dr. & Mrs. Kenneth Reynard  
 Mr. & Mrs. Neil F. Roberts  
 Ms. Marcia L. Rodgers  
 Mr. Louie D. Roe  
 Ms. Mary Rondinella  
 Mr. & Mrs. Thomas J. Ross  
 Mr. & Mrs. Mary Alice Rothweiler  
 Mr. & Mrs. William C. Russell  
 Ms. Wendy P. Sanchez  
 Mr. & Mrs. Robert L. Sani  
 Mr. & Mrs. Bruce Sattler  
 Ms. Donna Schearer  
 Mr. & Mrs. Harry J. Schmidt  
 Mr. & Mrs. Richard Segro  
 Ms. Martha A. Seiler  
 Mr. & Mrs. Gabrielle L. Sharkey  
 Mr. Richard Shepherd  
 Ms. Genevieve B. Short  
 Mr. M. Carman Skeeahan  
 Mr. & Mrs. Dudley Smith  
 Mr. & Mrs. Jess W. Smoot  
 Ms. Robbe S. Sokolove  
 Mr. & Mrs. John Stansbury  
 Mr. & Mrs. Daniel N. Stenersen  
 Ms. Kathleen M. Strausburg  
 Mr. & Mrs. David C. Stuhr  
 Ms. M. Sue Sturgeon  
 Mr. William O. Sweeney  
 Mr. & Mrs. Jeffrey J. Swenson  
 Dr. & Mrs. E. S. Taylor  
 Ms. Susan Teal  
 Mr. & Mrs. Nick Thomaidis  
 Mr. & Mrs. Buddy Thomason  
 Dr. & Mrs. George O. Thomasson  
 Mr. & Mrs. Gene Tullis  
 Drs. David Tuuk  
 Mr. Randall J. Vetter  
 Mrs. Irene Vigil  
 Mr. & Mrs. Chester Volpe  
 Ms. Kathleen Von Stein  
 Mr. & Mrs. Philip D. Waldbaum  
 Mr. & Mrs. Milton Ward  
 Ms. Susan Warfield  
 Mr. & Mrs. Theodore Washburne  
 Ms. Anne Wilbur  
 Mr. & Mrs. George M. Wilfley  
 Ms. Beverly Williams  
 Mr. & Mrs. James E. Wilson  
 Mr. & Mrs. Jim Winget, III  
 Mr. & Mrs. J.L. Witzler  
 Ms. Shirley Wood  
 Mr. & Mrs. Lester R. Woodward  
 Mr. & Mrs. Rike D. Wootten  
 Mr. & Mrs. Earl L. Wright  
 Mr. & Mrs. Richard W. Wright



## From Your Membership Office:

### Member's annual picnic

Start watching the mail for your invitation to the "New Orleans style" members' picnic July 6. The evening will feature the Cajun music of Bayou Teche and the Colorado Cajun Band.

Other special entertainment will include complimentary family portraits, mimes, jugglers, balloon sculpting and a party favor for each person who attends. Tickets to the event will also include an authentic Cajun supper, with a separate menu for the kids.

Make reservations by calling 370-8187 or send in your response card along with your check to: Members' Festival, Denver Botanic Gardens, 909 York St., Denver, CO 80206. Cost is \$12 for adults and \$7 for children 12 and under. Questions? Please contact Amy Capra at 370-8021.

### Behind-the-scenes tour

For members at the Arbor Circle, Botanist Club, Conservator's Society and Four Seasons membership levels, please join us for a fascinating insight into our production greenhouse areas Tuesday, June 21, from 5:30 to 7:30 p.m. Wine and cheese and musical entertainment will be provided. To reserve a space, please call Amy Capra at 370-8021.

## Great Gardening Guides Reap PRSA Award

Denver Botanic Gardens has received a national Certificate of Commendation from the Public Relations Society of America for its television public service announcements promoting the Great Gardening Guide series of home gardening brochures.

In a letter to Bob Burns, DBG's marketing director, PRSA said

DBG's series of five 30-second promotional spots "deserved recognition as an example of outstanding achievement in public relations." PRSA judges evaluated more than 400 publications and videotapes from throughout the country as part of its annual Bronze Anvil competition.

The Great Gardening Guides are being produced in cooperation with Denver Center Media, a unit of the Denver Center for the Performing Arts, and Public Relations Associates, a Denver public relations agency.

Burns noted that the Great Gardening Guides are the result of collaboration of the marketing department's communications and publications unit, the horticulture department and the education department.

In addition to the five guides already published, three new guides—on herbs, vegetables and gardening for seniors—will debut this summer. Call 1-800-944-8066 for your Great Gardening Guides

## Post's Kids Garden Club at DBG June 19-25

June 19 to 25 will be Kids Gardening Week at the Gardens for members of the Kids Garden Club sponsored by The Denver Post newspaper, Garden Centers of Colorado and NK Seeds.

The club was organized to foster an interest in horticulture among children. It is featured in a weekly column in the newspaper's Friday gardening section.

In addition to discounts and free merchandise, members received a coupon for free admission to the Gardens during Kids Gardening Week.

## National Fragrance Week to Kick Off at DBG, Friday, June 3

Denver is one of the 13 cities, and Denver Botanic Gardens has been chosen as the site for the kickoff of Fragrance Week on Friday, June 3. The inaugural event will include a press luncheon, presentation of a mayoral proclamation acknowledging and commemorating "Fragrance Week in Scent-Sational Denver," recognition of the participants and a public launch featuring product samples of the latest fragrances. All DBG members are invited to attend the public events on June 3 beginning at 1 p.m.

Themes for this year's celebration are: "Music Is in the Air," exploring the correlation between fragrance and music; and "Help Make America More Scent-Sational," a salute to America's beautiful cities and fragrant gardens.

Throughout Fragrance Week, participating vendors will host in-store events and provide fragrance samples. A portion of the proceeds of all fragrance sales at participating stores that week will be contributed to Denver Botanic Gardens in support of DBG's future Fragrance Garden.

Participating vendors include Saks Fifth Avenue, Crabtree & Evelyn, Neiman Marcus, The Broadway, Montaldo's, Polo Ralph Lauren and JCPenney.

For the first time The Fragrance Foundation will incorporate its annual Fragrance Week in New York into its National Fragrance Week celebration, which will be held in 13 cities across America from June 6 to June 10.

Other cities chosen to host a Fragrance Week celebration are Atlanta, Boston, Chicago, Dallas, Houston, Los Angeles, Miami, Minneapolis, New York, Philadelphia, San Francisco and Washington, D.C.

*Bayou Teche and the Colorado Cajun Band*





# June

**Coming Up:** Classes are in *italics*. An \* indicates the first meeting of a class with more than one session. For course information see the spring *Education Programs* or call 370-8020.

## June

- |      |  |        |  |
|------|--|--------|--|
| 1    | <i>*Beginning A Perennial Garden</i><br><i>Container Herb Gardening</i>  | 18     | <i>Flora of the Foothills</i><br><i>Beginning Paper Making</i><br><i>Raised-bed Garden Design</i><br><i>Tools for Easier Gardening</i><br><i>Tour Lauren Springer's Undaunted Garden</i><br><i>*Trough Garden Workshop</i> |
| 2    | <i>*Choice Perennials for Colorado Gardens</i>   | 18-19  | Japanese Festival<br>Bonsai Exhibition<br>Kidding Around: Origami Art  |
| 3    | <i>*Ecology of the Front Range</i>   | 19     | <i>Arboretum Hayride</i><br>Free Morning at DBG  |
| 4    | Old Roses Show<br>Free Day at Chatfield<br><i>Container Gardens</i><br><i>Scented Geraniums</i>  | 20     | <i>*Bugs, Bugs, Bugs I</i><br><i>*Botanical Illustration for Color Publications</i><br><i>Growing Up Wild</i><br><i>*Festival of the Stars</i><br><i>*Arraging Lessons with Flowers</i>                                    |
| 5    | <i>Tropical Fruits &amp; Salads</i><br>Free Morning at DBG   | 21     | For Arbor Circle members and above:<br>Behind-the-Scenes Tour<br><i>Summer Botanical Illustration: Focus on Advanced Skills</i>  |
| 6    | <i>Clematis: The Queen of Vines</i>  | 22     | Children's Concert: Tiny Tots Inside the Orchestra<br><i>*Plants as Educational Tools (K-12)</i>   |
| 7    | <i>*Basic Home Landscape Design</i>  | 24     | Garden Concert: Youssou N'Dour<br><i>Bird Walks for Beginners</i><br><i>*Making Japanese Culture Come Alive</i>  |
| 8    | <i>Beds of Lavender &amp; Rosemary</i><br><i>Star Gazing with Binoculars</i>   | 25     | <i>Perennial Gardening with Natives</i><br><i>Japanese Tea Ceremony</i>  |
| 7-12 | Art Show   | 25-26  | Rose Show  |
| 10   | Garden Concert: The Chieftains<br><i>Identifying Colorado Wildflowers</i>  | 26     | Free Morning at DBG<br><i>Backyard Composting</i><br><i>Backyard Herbs</i><br><i>Japanese Tea Ceremony</i>   |
| 11   | <i>Identifying Colorado Wildflowers</i><br><i>Peony Passion</i><br><i>*Nature Photography</i><br><i>Reptiles &amp; Amphibians</i><br><i>Succulent Strawberry Jar</i><br><i>Water Gardens for a Backyard Wildlife</i> | 27     | <i>*Plant Safari I &amp; II</i><br><i>*Wetland Wanderings I &amp; II</i>   |
| 12   | Water Plant Sale<br>Free Morning at DBG<br><i>Herb Sampler</i>   | 28     | <i>Summer Rose Care</i>  |
| 13   | <i>*Carnivore Carnival I &amp; II</i><br><i>*Gardens With An Altitude</i>  | 29-7/5 | Art Show   |
| 15   | <i>Create A Specialty Herb Garden</i><br><i>Magic Garden: Wildflower Wonders</i><br><i>Pressing &amp; Drying Flowers</i>   | 30     | <i>Watercolor Painting: Introduction to Landscapes</i>   |
| 17   | <i>Tour Lauren Springer's Undaunted Garden</i>   |        |  |



## Thank You, Plant Sale Supporters

The trustees and staff of Denver Botanic Gardens send a big thank-you to all volunteers and supporters of the 45th annual Plant & Used Book Sale. A very dedicated committee of 50 volunteers spent many months of hard work to bring the residents of the Front Range the largest and most successful such sale in the country.

Under the leadership of chairman Carol Schutz and co-chairman Mary Ann Conner the 1994 Plant & Used Book Sale was a huge success. Carol and Mary Ann's sense of humor, organizational skills and creativity were motivating factors for all concerned.

A special thank-you, also, to past chairs Michael Ebbs, 1992, and Debbie Davis, 1993, for their continued support of this sale. Their experience was very much appreciated.

Thank you, too, to the underwriters, Veldkamp's, Wagner Equipment and Welby Gardens and to the 25 companies and organizations who participated in the sale.



## Conservation Day at Zoo

The series of family events sponsored by Continental Airlines at Denver's major cultural institutions continues with Conservation Day at Denver Zoo June 4.

The annual event will feature live animal demonstrations, an endangered animal scavenger hunt, roving entertainment and a chance to practice recycling. Keepers will be on hand to talk about endangered animals.

The venture is a cooperative effort by Scientific and Cultural Facilities District "Tier I" institutions—Denver Art Museum, Denver Botanic Gardens, Denver Museum of Natural History and Denver Zoo—assisted by the airline, to present events of special interest to families. DBG will host its annual Chile Harvest Festival August 25 to 28.

## Free Estate Planning Workshop at Gardens

Denver Botanic Gardens will be the location for a free workshop on estate planning and money management by financial planner Joseph S. Sturniolo, host of "The Investment Advisor" weekday radio program on KNUS-AM and financial columnist for the Rocky Mountain News, the Greenwood Villager and the Beacon Review newspapers. A certified financial planner, Sturniolo also is senior vice president of investments at Prudential Securities.

His workshop will cover how to plan your finances to maximize assets within your comfort level of risk, how to reduce your taxes and how to plan your estate.

The two-part workshop is Tuesday, June 14, and Thursday, June 16, both days from 3 to 5 p.m. or 6:30 to 9 p.m. Seating will be limited. For reservations call Jennifer Flannery, 793-0666, extension 355.



## DBG Summer Concerts Selling at Record Pace

Two concerts in DBG's widely praised summer concert series were sold out before the season began. June's Chieftain concert and this month's performance by Michael Doucet and Beausoleil set the pace for record pre-summer ticket sales.

Tickets remain available for the remainder of the 1994 season's exciting offerings, although tickets are selling very fast.

Concerts begin at 7:15 p.m. DBG's gates on York Street and from Cheesman Park open at 6 the evenings of the concerts.

A recommendation for parking: Take the convenient double-decker shuttle buses to the concerts. DBG concert patrons are encouraged to park their cars at either Calvary Temple, University and Alameda boulevards, or Cherry Creek Inn, Colorado Boulevard and Cherry Creek Drive South. The buses will whisk back and forth to the Gardens at frequent intervals from 4:30 to 10 p.m.

Tickets are available 9 a.m. to 5 p.m. every day at the DBG gate house, 1005 York Street, or by phone, 777-7372. A \$1 service fee will be charged for phone orders. For information call 370-8187.

### Chamber Music from the Bravo! Colorado Music Festival July 8

The much-admired and -adored violinist Ida Kavafian brings us another perfectly matched sextet from her own Bravo! Colorado Music Festival. With players drawn from the Beaux Arts Trio (Ms. Kavafian herself), the Chamber Music Society of Lincoln Center, the Emerson Quartet and other premier groups this will be one of the most remarkable classical ensembles ever presented at the Gardens. Ms. Kavafian's guests include pianist Wu Han, cellist David Finckel, violist Steven Tenenbom, violinist Scott St. John, and flutist Marya Martin in duo, quartet and sextet settings.

### (Michael Doucet & Beausoleil July 22 —Sold Out)

### Lincoln Center Jazz Orchestra July 29

The Lincoln Center Jazz Orchestra under Wynton Marsalis has been wowing crowds for five years. The 20 member orchestra is a hand picked ensemble comprising several generations of the world's foremost jazz musicians. The LCJO's repertory features wonderful tributes to Ellington, Armstrong, Strayhorn, Monk and other jazz masters, as well as newly commissioned works for big band. Quite simply, it is the finest band of its kind in the world.

# Green Thumb NEWS

## Denver Botanic Gardens July 1994 Number 94-7



*Riders in the Sky*

### Laura Nyro Aug. 5

Remember falling in love to the strains of Laura Nyro? Remember falling in love with Laura Nyro? Laura will send shivers through the Gardens this season with her soaring, impressionistic voice. Her new CD, "Walk the Dog & Light the Light" is winning raves everywhere. If you remember the joyful passion of "Gonna Take a Miracle" or "New York Tendaberry," the fire and soul of "Stoney End," "Wedding Bell Blues," and "Eli's Comin'" we're holding a place just for you. If Laura's song-writing craft is new to you, please, come fall in love this summer.

### July Kids' Concerts Feature Musical Bandits, Cowboys

DBG's children's concert series continues in July with two concerts to delight the entire family—steel drums and swinging cowboy music. Tickets are available at the DBG York Street entrance, 9 a.m. to 5 p.m. daily, or by phone, 777-7372.

Concerts begin at 7 p.m. The gates open at 6:15. Kids, especially,

will enjoy the free double-decker bus rides from the convenient parking provided at Calvary Temple, University and Alameda boulevards, and at Cherry Creek Inn, Colorado Boulevard and Cherry Creek Drive South.

### Steel Bandits July 14

This extended family of 12 performers creates the lilting, happy sound of Trinidad with an array of steel drums and percussion. We'll hear the melodies of the Caribbean, a pop tune or two, and maybe even some classics. The gorgeous sound of steel drums is one you won't soon forget.

### Riders in the Sky July 20

You've seen them every Saturday morning on CBS, you've heard them on Riders Radio Theater, and now, Buckaroos and Buckarettes, you're invited to join America's favorite cowboys in the Denver Botanic Gardens' amphitheater. Wear your best duds, because you just might find yourself on stage joining Ranger Doug, Woody Paul and Too Slim. It's the cowboy way.

## Inside:

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page 6

*Membership News*  
Page 7



## From the Executive Director

Plants are surely international and one of the ways we make connections with other people and other cultures. We celebrate that by having plants from around the world in our Boettcher Memorial Conservatory, in the Rock Alpine Garden and, most recently, in our group of pre-Columbian gardens.

For the second year in a row, August 26, 27 and 28, DBG will host the Chile Harvest Festival. We will feature more than 100 varieties of chile peppers in several gardens, and continue to use plants as a way to build bridges to all cultures, a unique and vital role of museums.

The Chile Harvest Festival highlights our pre-Columbian gardens located west of the rose garden. These gardens show plants that are descendants of plants grown by Aztec, Mayan, Incan and ancient North American native peoples. They remind us that gardening is vital human activity providing food and beauty to all people, connecting us with other cultures both ancient and contemporary.

—Richard H. Daley

## Members Can Influence Corporate Giving and Make Corporate Friends for the Gardens

Operating support is critical to DBG's ability to serve our audiences throughout the year. Corporations are an important source of this support. DBG members can influence in a number of ways a company's decision to support us.

One of the simplest ways for a member to influence a corporate gift to the Gardens is to participate in the employers' matching gift program. Almost 400 companies match gifts to cultural organizations. Each company has its own procedures which cover issues such as match rate (1:1, 2:1, etc.), matching spouses' gifts and the types of organizations that are eligible. Participating in the plan is usually a matter of contacting the human resources office to obtain a matching gift form to be submitted with your gift. For membership dues, most companies only match the tax deductible portion of the membership.

Some companies choose to support organizations at which their employees volunteer. If you are a volunteer at DBG it may be helpful if you communicate this to your employer. Again, the human resources department should be able to tell you the company policy.

Many companies support the Gardens with "gifts-in-kind": services or products. In-kind gifts save an expense DBG would otherwise have to pay for. For example, a new corporate member who is a stained glass specialist will contribute the material and labor to replace broken stained glass at the Gardens this year. This contribution relieves the Gardens of the cost. Other members may know of services or materials that their own employers could provide to assist the Gardens.

You may be purchasing a service or product without knowing that you can also secure a gift by the company. For example, First Colorado Financial Services Company donates 10 percent of its commissions to the charity of the client's choice. If you make use of First Colorado's services, or the services of another financial organization, please ask about its giving program.

Members patronizing a company that already supports the Gardens should encourage the company to continue its support. Some companies provide a discount to upper level members, so mentioning your membership is a benefit to you while also reinforcing the company's decision to give to the Gardens.

If you would like to know more about how you might influence a gift to DBG by your employer, call the development office, 370-8027.

## Tributes

### In memory of Else J. Burger

Mr. Edward K. Allen  
Ms. Cleo F. Applewhite  
Mr. & Mrs. Donald J. Bechtold  
Mr. & Mrs. Brooks L. Deese  
Ms. Agnes Enright  
Mr. & Mrs. B.L. Gillan  
Everyone at Gillan  
Perry & Haberkorn  
Mr. & Mrs. Dennis J. Haberkorn  
Ms. Betty Humes  
Mr. & Mrs. Alton B. Johnson  
Mr. & Mrs. Randy J. Lange  
Diana Lopas & family  
Ms. Joy Lewis &  
Mr. John Zimmerman  
Mars Associates  
Ms. Deborah Owens  
Jeff, Cheryl & Drew Schwiethale  
Mr. & Mrs. Homer Smith  
Ms. Ione Smith  
Mr. & Mrs. Richard P. Sparn  
Mr. & Mrs. Richard Quinlan  
Ms. Laura Wilson

### In memory of John C. Doherty

Mr. and Mrs. Robert Benoit  
Ms. Sharon Benoit &  
Mr. Keith Weatherbie  
Mr. Richard N. Graham  
Ms. Jean Kraft  
Ms. Judith S. McCann

### In memory of Elvia Gauss

Mr. and Mrs. William B. Collister

### In memory of Ada Gorman

Mr. and Mrs. William B. Collister  
Mrs. Lela W. Terry

### In memory of Byron F. "Bud" Link

Mr. and Mrs. Daniel Pacheco

### In memory of Peg Patrick

Associates of  
Denver Botanic Gardens

### In memory of Lida S. Rinker

Mr. and Mrs. William B. Collister

### In memory of Maxine Schmidt

Ms. Retha Bloodworth

### In honor of Ichiro Ogawa

The Bureau of Reclamation-  
Plant Structures Branch

## Green Thumb News Number 94-7 July 1994

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206

Editor: Larry Latta, 370-8033

Deadline for September issue: July 22

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.





## Society Sells Iris at Gardens July 23

The American Iris Society will sell freshly dug iris rhizomes at the Denver Botanic Gardens Saturday, July 23, beginning at 9 a.m. Members are urged to arrive early: The sale will last only until the rhizomes have been sold, and traditionally they have sold out quickly.

The iris from the region's display garden were introduced in 1992; they are the newest results of the most renowned hybridizers. They have been carefully grown and acclimatized in Colorado for local gardens.

Now is the time to plant iris. Planted soon after blooming allows the new rhizome to develop and send out feeder roots during the summer season. A well-established plant will better survive the winter and bloom next year.

Proceeds from the sale go to the American Iris Society and Denver Botanic Gardens for the purpose of promoting the culture and improvement of iris. For more information about the sale or the society, please call Tim Kuesel, 420-6806.

## CHAC, DBG Join for 2nd Chile Harvest Festival

Denver Botanic Gardens and Chicano Humanities and Arts Council will join again this year to present a three-day Chile Harvest Festival at the Gardens Thursday through Sunday, August 26, 27 and 28.

The event last year proved to be enormously popular. Lovers of Southwest living flocked to the Gardens to visit the dozens of artisan and demonstration booths and enjoy the non-stop entertainment in the Gardens' amphitheater.

This year promises even more fun: Three popular Denver restaurants will be offering their Mexican-American specialties, and the Gardens will be growing more than 100 varieties of chiles to view.

Members will receive a Chile Harvest Festival brochure with complete information.



## Oregon Mycologist Visits DBG Herbarium

Nationally-known mycologist Nancy Smith Weber, Ph.D., recently spent two weeks visiting the DBG mycology department to research ascomycetes and basidiomycetes, two important groups of fungi, in DBG's Kathryn Kalmbach Herbarium. The DBG herbarium collection is widely known as one of the best-documented in the United States.

While in the West, she searched habitats in Colorado and Wyoming for the purpose of collecting voucher specimens under the guidance of DBG assistant curator of mycology Vera Evenson. She began her visit the evening of June 6 with a lecture in John C. Mitchell II Hall about morels.

Weber is on the research staff of the Department of Forest Science at Oregon State University. Her main interest is the ecology and distribution of ascomycetes, specifically members of Pezizales in the western states.

Weber has authored or co-authored several books, including *Mushroom Hunter's Field Guide*, *Field Guide to Southern Mushrooms*, *How to Know the Gilled Mushrooms*, *How to Know the Non-Gilled Mushrooms* and *A Morel Hunter's Companion*.

## 1994 Fete des Fleurs to Raise Funds for DBG Education Programs

Fete des Fleurs, the black tie evening set for September 8, at the Gardens, will be a benefit event to support educational programming, including horticultural therapy and community outreach projects.

Fete chairperson Ginny Freyer, a member of the DBG board of trustees, says it is important that the Fete have a focus—a project that people can feel good about supporting. What, she asks, can be more appealing than supporting the Gardens' efforts to teach people of all backgrounds about plants and their importance?

This elegant dinner dance under the stars offers an enjoyable way for members and friends of the Gardens to provide important support to our educational programs. Invitations to the Fete will be mailed and published in the Green Thumb News in August. Tickets will be \$175 per person (\$350 per couple); patron tickets are \$250 (\$500 per couple). Sponsorships for the event begin at \$1,500. For more information call the DBG development office, 370-8027.

## Botanical Display Case Installed in Lobby

A new display case has been installed in the Lobby Court to better accommodate botanical displays of the native flora of Colorado. The plants are collected, identified and displayed by volunteers in DBG's Kathryn Kalmbach Herbarium.

The new case complements the design of the lobby and is refrigerated, allowing plant material from Colorado's varied ecological zones to be displayed much longer. The case was paid for with gifts in memory of former herbarium volunteer Marjorie L. Shepherd and a gift from the Associates of Denver Botanic Gardens.

## DBG Speaker Bureau Needs Lecturers

DBG receives many requests for knowledgeable, inspiring lecturers. In response to these inquiries, the education and marketing departments are compiling a list of speakers to be distributed to garden clubs, church groups and others.

If you or someone you know is interested in appearing on this list, please complete a speaker information form, available in the library. Return the form to the library by July 31 so an initial list can be compiled.



## Springer's 'Undaunted Garden' Re-Defines Colorado Gardens—with Wit, Perception and Love

***The Undaunted Garden: Planting for Weather-Resilient Beauty***  
by Lauren Springer, Fulcrum Publishing, Golden, CO \$29.95  
ISBN: SB 473 .56 1994



### Garden Author Malitz foresees impact on region's horticulture

This is a superb book—superbly written and superbly illustrated. The style is not only lucid and informative, but at times borders on the poetic and is well-laced with humor. Whether talking about “donkey fart thistle,” or noting that “Dry shade is to the gardener what a dry shave is to a man,” or the visual affinity of daisies to grasses, the author will amuse, enlighten and inspire the reader all at once.

Her main goal is to break the tyranny of the European horticultural tradition that has dictated our choice of garden plants for centuries. She argues for the use of different plants, plants of sturdier stuff, plants native to the interior of North America and regions with similar climates, plants that are resistant to hail, wrenching temperature changes, desiccating winds and intense sunlight. In her words, “I hope to champion a rich and diverse group of such plants.”

But her aesthetic sensibility retains a more traditional bent: “...using native and homeoclimatic plants, all with a natural, unpolished look about them, but growing them in a jumbled, full, old-fashioned garden style, not spread out and sparse as they grow in the wild.”

The result, well-illustrated by Ms. Springer's photographs of her own garden, is a garden style of unbridled exuberance, yet one which makes little demand on the environment. Her garden does have small areas that require supplemental water, but most of the plants live off the land as it was given. It is the xeriscape concept without the lean-mean look of gray and spiny plants set in a sea of gravel.

She freely admits that her spectacular results did not come easily—considerable trial and error tempered her style—and some parts of the design suggested themselves as she strolled “plant and trowel in hand.” Nor does she claim that her undaunted garden is care-free. She notifies us of this immediately in the preface: “I don't understand the concept of a low-maintenance garden. Landscape yes, but not garden.”

The author begins with a tour of her garden, relating its beginnings and the many vicissitudes that beset its creation. She describes its layout: the shady sections, the prairie-like portion and the “hell strips.” She describes how each was prepared and how it is maintained. The tour spans time as well as space, as we visit the garden during the four seasons.

### *Her goal is to break the tyranny of the European horticultural tradition...*

There is a chapter on roses, for which she has a particular fondness and familiarity, having tended an estate collection of more than 400 varieties. But her preference now is for the stalwarts of the clan, those that still retain some measure of the sublime simplicity and toughness of their wild ancestors.

There is a chapter on gardening in the shade, both dry shade and moist shade. The choice of apt plants that she offers for these situations is astonishingly rich, and some of the choices for dry shade might come as a surprise. Other chapters deal with the dry sunny garden, the autumn and winter garden, hail-tolerant plants and plants for foliage effect.

The chapter on annuals presents an informed and balanced view, and describes their strong points and weaknesses, culturally and aesthetically: “Sadly, it seems the annuals chosen by breeders as most worthy of selection and promotion are beginning to look more and more alike.” Here and throughout the book she shows no hesitation in taking on the green establishment, be it the growers, writers or any other group serving the gardening public.

### *The result, well-illustrated by Ms. Springer's photographs of her own garden, is a garden style of unbridled exuberance.*

The last chapter, Plant Portraits, describes and illustrates some 62 plants. Most of these, as garden worthy as they are, will be unfamiliar to many readers and are unlikely to be found in most garden shops. But all are beautiful and well-adapted to our climate. Throughout the book, there is an emphasis on complementary plant combinations, care and propagation. The book has many extensive lists to direct the reader's attention to plants that fill particular needs.

This is a most enjoyable book, and one that is likely to have a considerable impact on horticulture in Colorado—indeed, in all regions that have a climate similar to ours.

—Jerome Malitz

Jerome Malitz of Boulder is the author of *Personal Landscapes*, *Timber Press*, and *Rocky Mountain National Park Dayhiker's Guide*, *Johnson Printing*. He is currently writing *Desired Plants and How to Create Them*, forthcoming from *Timber Press*.





### Designer Ipsen: Western gardeners now have book of their own

Springtime in Colorado would be an excellent season to read a book about gardening in the teeth of outrageous climate. Eighty-degree days in March followed by deep snows, and a string of cruel freezes just before May Day, with plants foolishly ahead of schedule, can prompt the most steeled gardener to throw in the trowel. Legions of gardening books fail to acknowledge such unconventional weather patterns and the complexities of cultivating plants where extremes—drought, heat, wind, hail and wacky fluctuations—are the norm. For anyone who has ever felt discouraged flipping through a *Sunset Western Gardening Book*, take heart. We of the High Plains now have Lauren Springer's *The Undaunted Garden*, written by a Colorado plantswoman who recognizes there is gardening in the West (pass the avocado, thank you) and there is *gardening in the West* (should we kick the ice off those tulips?).

Springer sets out to correct wistful visions of British Isles gardens in the interior West. She offers in its place a flower and foliage garden in harmony with its location and with nature, a resilient garden so lush and floriferous no one will notice what's missing. One thing that is missing in this book, blessedly, is even a single picture of an allée, sundial-on-axis, Lutyens bench, yew hedge, or stone urn on a moss-covered wall.

With entertaining detail, the author recounts how she moved to northern Colorado, dragging along garden experience and expectations from maritime climates, and set about making a new garden. Impressively, this Eastern transplant embraced the Western landscape, delighting in native roadside flowers, grand skies and vistas, new subtleties of light and color, new paradigms of beauty. She urges us to do the same, to create healthy, fit gardens that rely on native and well-adapted plants.

Like the best gardens, this book is exuberant, sensuous and beautiful to look at. Its classy graphic detail and exquisite photographs—the author's own—are reasons enough to buy. And the illustrations are placed close to the text describing them: Just when you think you will die if you can't see a picture of a fabulous-sounding composition Springer is describing—thoughtfully, there it is.

***Like the best gardens, this book is exuberant, sensuous and beautiful.***

If Springer has a second love after plants, it must be words. The “no-bare-earth policy” she espouses in flower beds extends to the written page. Her lavish descriptions, innovative and sensuous, marry her intense fascination with flora of all sorts with her passion for finding the non-anemic phrase. As in her garden, she strives for fresh juxtapositions, and, like her garden, her prose is lush and exuberant.

But the book's usefulness far exceeds portraits of plants. Revealed in Springer's pithy observations and anecdotes are a wealth of wise management principles. Beyond the “how-to” the reader learns why the things that are recommended work. Springer, who admits she has fried or rotted plenty of plants, leads the reader through a fascinating assessment of microclimates, soils, opportunities and constraints—all the while connecting tenets learned from the earth to larger life.

***If Springer has a second love after plants, it must be words.***

This is a personal book about a personal garden. Cats George and Nee-Nee loll in the foliage, and baby Daphne in red leggings sizes up the crocuses, a tiny sprig in her dimpled hand. Clearly, the garden is a place for life and joy. In the end, Springer engagingly re-affirms what we suspected all along; consorting with plants is a high calling.

—Diane Ipsen

Landscape architect Diane Ipsen is a long-time contributor to *Denver Botanic Gardens*. She is consulting editor of the upcoming issue of *DBG's Mountain Plain and Garden magazine*, *Deciduous Trees*. Her professional practice, *DDI Landscape Design*, specializes in residential landscaping.

[Editor's note: *The Undaunted Garden: Planting for Weather-Resilient Beauty* is available in the *DBG Gift Shop* and *Helen Fowler Library*.]



Your  
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Gift Shop Is  
Open During  
Concerts





*The easy-kneeler allows gardeners to work close to the ground, and raise and lower themselves in comfort.*



## Able Gardening

### Easy kneeling for weeds

Now that your garden is growing along, it is filling not only with vegetables and flowers, but, yes, weeds. Because of them you've probably found yourself getting down to ground level, up close and personal with your plants. To make this intimate work a little more comfortable, try wearing knee pads. Gardening knee pads are becoming common in garden centers and nurseries, but they may be cheaper in a hardware store.

Getting up from their knees and back onto their feet or from their feet onto their knees is a difficult, even painful task for many gardeners. But, if this is your case, don't give up: The "easy-kneeler" is a device with handles that help you ease down or push up with the added strength of your arms and shoulders. It has padded surfaces for your knees and your behind—it serves as a small bench when it is turned upside-down. Easy-kneelers are lightweight and easy to carry with you around the garden.

It's not too late to mulch your garden. Mulch can smother small weeds, prevent some weed seeds from germinating and help conserve moisture in the soil. Organic mulches, such as grass clippings, leaves or straw, decay to improve your soil and cut down on the effort needed to spade and cultivate.

—Janet Laminack  
Horticultural Therapy Intern

## Changes Around the Gardens For 1994

Three gardens at 1005 York Street have been transformed in 1994 to bring exciting new horticultural trends to DBG members.

The Vegetable Demonstration Garden this year has been planted entirely with edibles of Asian cuisines. Visitors will encounter vegetables familiar and not-so-familiar, from asparagus beans and bok choy (and a couple of other choice chois) to Yatsafusa and Yunan hot peppers. All plants are labeled with their phonetic Asian names and their scientific names.

Located between the turf trial plots and the Pre-Columbian Gardens is an area usually given to trials of ornamental annuals. This year, in celebration of August's Chile Harvest Festival, more than 70 varieties of chiles (*Capsicum*) have been planted there. Dozens of other Central American and Mexican vegetables, such as corn and tomatoes, accompany them. All-in-all, more than 100 varieties of chiles can be found growing around the Gardens this year.

Horticulture does not often see the birth of a new gardening style. However, tiny high altitude cushion plants that are found in nature growing only in the cracks of rocks have been difficult to grow and show off, even in a traditional rock garden. The solution: a crevice garden. The technique, perhaps the only significant horticultural innovation of the 20th century, has only recently been developed in Europe. This year you can see it at Denver Botanic Gardens. The bed on the north side of the Alpine House in the Rock Alpine Garden has been redone—plumbing, soil, rocks and plants—as a crevice garden. An invaluable new educational tool, it is a gift of Mr. and Mrs. Robert B. Brobst and Robert L. Goo in memory of Robert A. and Anne F. Brobst.

## Kidding Around: Dyes from Nature and Bugs

Explore the uses of plants of the prairie and other ecosystems at Chatfield Arboretum on July 16 from 10 a.m. to 2 p.m. Discover dyes, medicines and fibers from plants, and create a work of art from naturally dyed yarn.

You may be either pestered or pleased with insects in your yard or neighborhood. On July 30 from 10 a.m. to 2 p.m. children are invited to learn about helpful insects by creating a buggy masterpiece and taking home a living addition for their garden or yard.

Kidding Around activities are free with admission (no charge to members) thanks to the support of the Scientific & Cultural Facilities District. Bring a picnic lunch and enjoy the activities!

## Children's Classes at York Street and Chatfield

Create colorful flowers, hunt for garden treasures or waddle like a duck in a wetland by participating in one of the Summertime Kids courses at York Street or Chatfield Arboretum this summer. Classes range from one to four days in length and are available for children ages 3 to 11. For more information or to register, please call the Education office at 370-8020. Space limited!

## Wetlands Institute Set at Chatfield Arboretum

The week of July 18 Denver Botanic Gardens and Colorado School of Mines will present a five-day course at Chatfield Arboretum for teachers on the importance and functions of wetlands. Through hands-on activities, lectures, field observations and demonstrations, teachers of kindergarten through 12th grades also will learn to identify plants and animals of wetland areas.

The institute runs from 8 a.m. to 4:30 p.m. Monday through Friday. Teachers can register by calling Colorado School of Mines, 273-3303. The 2.5 graduate recertification credit fee is \$190.



## From Your Membership Office

### You have a choice

Occasionally the membership office exchanges names with other non-profit organizations. If you prefer that your name be removed from such exchange lists, please call the membership office at 370-8029 and let us know.

### New member part in Japanese garden

New members are invited to enjoy a Japanese Garden Reception on Tuesday, July 12, from 7 to 8:30 p.m. The reception will include Japanese tea ceremonies, Koto music, Japanese food and tours of the Japanese garden. To make your reservation, please call 370-8021.

### Members annual picnic—Cajun style!

DBG members and their guests can join us for a fun-filled Cajun-style evening on Wednesday, July 6, from 5:30 to 8:30 p.m.

Special entertainment will include zydeco ensemble Bayou Teche and the Colorado Cajun Band, a complete Cajun supper with separate menus for adults and children, complimentary family portraits, a juggler, mimes, balloon sculptures and Mardi-Gras beads for all.

Admission is \$12 for adults and \$8 for kids. For reservations, please call the DBG box office by July 5 at 370-8187, or send your response card (invitations were sent to members) along with your check to the membership department at DBG, 909 York St., Denver, 80206.

### Breakfast and early morning tour at Chatfield Arboretum

Members at the Botanist Club level and above are invited to enjoy a continental breakfast at DBG's Chatfield Arboretum on Saturday, July 16, at 8 a.m. Following the breakfast, tours of the arboretum will be given by Chatfield's trained volunteers. For information or to make reservations, please call Amy Capra, 370-8021.

### A Caribbean Treasure Hunt ... with steel drums and calypso!

Children young and old are invited to explore the many DBG treasures at the Caribbean Treasure Hunt Saturday, August 13, 11:30 a.m. to 2 p.m.

This educational and exciting adventure will start in the Lobby Court, where pirates and their parents begin their Caribbean journey. The hunt concludes with a mini-concert by Pan Jumbies, Denver's own steel drums and calypso band. Caribbean refreshments will be provided, although we encourage you to bring a picnic lunch and a blanket.

Admission is \$5 per person; children 3 years old and younger are free. To make your reservations, call 370-8187 or mail your check to Caribbean Treasure Hunt, 909 York St., Denver, 80206.

## Library Circulation Grows; So Do Overdues

DBG's Helen Fowler Library, one of the Gardens' most valuable membership benefits, has enjoyed a welcome surge in circulation this year. Greater use by our members has resulted, perhaps inevitably, in a greater number of books overdue, books whose return is eagerly awaited by other members.

Overdues are handled by a patient volunteer who has no desire for her pleasant telephone voice to become over-familiar. But even though she devotes one day a week to recalling wayward books, her time is not sufficient to handle the increase in "business."

DBG librarian Solange Gignac is issuing a plea to members to return books to the library when they are due. She offers another option: You may exercise the privilege of renewal. Unless another person is waiting for a title, each book may be renewed for two additional lending periods. By renewing by the book's due-date you will keep straight with our volunteer and lighten her workload considerably.

## Library Open Tuesday Evenings for Summer

Members are reminded that DBG's Helen Fowler Library is open on Tuesdays until 8 p.m. through September. Hours are 9 a.m. to 5 p.m. the rest of the week, except the library is closed on Mondays.



Actor Tony Church ("Uncle Fred"), director Dirk Olson and crew members from Denver Center Media go over a scene before taping the promotional television spots for DBG's 1994 Great Gardening Guides. The guides are obtainable by calling 1-800-944-8066.



## Denver Botanic Gardens, Inc.

909 York Street

Denver, Colorado 80206

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# July

**Coming Up:** Classes are in *italics*. An \* indicates the first meeting of a class with more than one session. For course information see the spring *Education Programs* or call 370-8020.

## July

- |       |  |  |   |
|-------|--|--|---|
| 2     | Free Day at Chatfield Arboretum                                |  |   |
| 3     | Free Morning at DBG  |  |   |
| 6     | * <i>Watercolor Painting</i>                                   |  |   |
|       | Members' Cajun Style Picnic                                    |  |   |
| 7/8   | Concert: Chamber Music From Bravo Colorado                     |  |   |
| 8     | <i>Tundra Trip to Corona Pass</i>                              |  |   |
| 9     | <i>Close-up Flower Photography</i>                             |  |   |
|       | <i>The Delightful Daylilies</i>                                |  |   |
|       | <i>Herb Trip to the Boulder Market</i>                         |  |   |
|       | <i>Japanese Tea Ceremony</i>                                   |  |   |
| 10    | Free Morning at DBG  |  |   |
|       | <i>Al Fresco Dining</i>  |  |   |
|       | <i>Japanese Tea Ceremony</i>                                   |  |   |
| 11    | * <i>Beginning Bonsai</i>                                      |  |   |
|       | * <i>Ants to Zucchini</i>                                      |  |   |
|       | * <i>Rainbow Connections</i>                                   |  |   |
| 12    | New Members' Party   |  |   |
|       | <i>Colorado Butterflies</i>                                    |  |   |
|       | * <i>Dry It. You'll Like It!</i>                               |  |   |
|       | <i>Gourmet Herbed Oils &amp; Vinegars</i>                      |  |   |
|       | <i>Raffia Hat</i>  |  |   |
| 13    | Neighborhood Barbecue  |  |   |
|       | <i>From Cuts to Creations</i>                                  |  |   |
|       | <i>Magic Garden: Desert Dwellings</i>                          |  |   |
| 14    | Children's Concert: Steel Bandits                              |  |   |
|       | * <i>Beginning Ikebana Lessons</i>                             |  |   |
| 16    | Daylily Display & Sale   |  |   |
|       |  |  | Breakfast and Tour for Upper Level Members    |
|       |  |  | Kidding Around at Chatfield: Dyes from Nature |
|       |  |  | <i>Butterfly Census</i>                       |
|       |  |  | <i>From Cuts to Creations</i>                 |
|       |  |  | * <i>Garden &amp; Yard Troubleshooting</i>    |
| 17    | Free Morning at DBG  |  |   |
|       | <i>Behind-the-Scenes Greenhouse Tours</i>                      |  |   |
| 18    | * <i>Bugs, Bugs, Bugs II &amp; III</i>                         |  |   |
|       | * <i>Fun Flowers I &amp; II</i>                                |  |   |
|       | * <i>Wetlands Institute for Teachers</i>                       |  |   |
| 19    | * <i>Alpine Ecology</i>  |  |   |
|       | <i>Summer Botanical Illustration: Focus on Advanced Skills</i> |  |   |
| 20    | Children's Concert: Riders in the Sky                          |  |   |
| 22    | Concert: Michael Doucet & Beausoleil                           |  |   |
| 23    | <i>A Floral Garland for Your Hat</i>                           |  |   |
|       | <i>Backyard Herbs</i>  |  |   |
|       | <i>Flora of the Foothills</i>                                  |  |   |
|       | <i>Incredible Insects</i>                                      |  |   |
|       | <i>Japanese Tea Ceremony</i>                                   |  |   |
| 23-31 | Watercolor Show  |  |   |
| 24    | Free Morning at DBG  |  |   |
|       | <i>Japanese Tea Ceremony</i>                                   |  |   |
| 25    | * <i>Beavers! Birds! Bugs! I &amp; II</i>                      |  |   |
| 26    | <i>Drying Flowers for Bouquets</i>                             |  |   |
| 29    | Concert: Lincoln Center Jazz Orchestra                         |  |   |
| 30    | Kidding Around at York Steet: What's Bugging You?              |  |   |
|       | <i>Bird Walks for Beginners</i>                                |  |   |
| 31    | Free Morning at DBG  |  |   |



Left:

"Gringo Pass" by  
Mary Joy Drost

Right:

Detail of "Lisa" by  
Betty de Maree



## End-of-Month Watercolor Show at DBG

Members are invited to wind up their month by attending the exhibit in John C. Mitchell II Hall July 22 through 31 of the Colorado Watercolor Society.

The evening of Tuesday, July 26, promises a special attraction: Members of the society will be out in the York Street gardens to give free watercolor technique demonstrations, answering questions while they paint.

The exhibit is open during DBG's regular summer hours.





## Chile Harvest Festival Heats Up the Summer

Chile lovers, mark your calendars. DBG's second annual Chile Harvest Festival is scheduled to heat up Friday, Saturday and Sunday, August 26 to 28.

The celebration promises even more artisans, music and Mexican food than last year, and DBG will showcase more than 100 varieties of chiles in its outdoor display gardens.

The festival is cosponsored by Chicano Humanities and Arts Council and Denver Botanic Gardens. The media sponsors are the *Rocky Mountain News* and KUVO radio.

New to the festival this year is a *mercado*, a marketplace where ristras, fresh chiles, posters, T-shirts, books and unusual chile-design items will be sold. You will be able to taste salsas made from the wide variety of chiles grown in DBG's chile garden. Trained guides will be on hand to offer tours of DBG's gardens devoted to crops of pre-Columbian farmers.

Children will have the opportunity to create a chile craft project from 10 a.m. to 2 p.m. each day.

Musical performers and Southwestern storytellers will entertain continuously in the amphitheater all three days. Among the entertainers will be Cipriano Vigil y Los Folkloristas de Nuevo Mexico, musicians and dancers; Jeannette Trujillo, flamenco dancer; Grupo Folklorico Sabor Latino, dancers; Miguel Espinoza, flamenco guitarist; Grupo Amor, musicians; Jerry Lawson, storyteller; Angel Vigil, storyteller; Grupo Tlaloc, Aztec dancers; Brenda Romero, folk musician; Rudolfo Bustos, folk musician; and Rudy and Benito Valdez, entrega.

Artisans from Colorado and New Mexico continue to preserve the tradition of Spanish colonial folk art and will demonstrate their talent throughout the weekend. DBG visitors can watch weaving, tin work, woodcarving, santos, ristra stringing, furniture making and adobe and horno making.

Artisans who will demonstrate their crafts are Arturo Rodriguez, *santero*; Carlos Santistevan, *santero*; Tom Garcia, adobe and *horno* demonstration; Flo Archuleta, *colcha* quilting; Antonio Martinez, wood carving; Nicolas Herrera, natural dye techniques; and Rose Tollardo, tin working.

The most convenient parking will be a cool double-decker bus ride away, in the Cherry Creek Inn parking lot at Colorado Boulevard and Cherry Creek Drive South. (Look for "DBG Event Parking" signs.) The free buses will ply fre-

# Green Thumb NEWS

Denver Botanic Gardens  
August 1994  
Number 94-8



A rather ferocious "Sea Monster" by Columbine Elementary School artist Evan Burton will reside in the Morrison Center parking lot through the summer.

## Kids' Imaginations Conjur Animals in Community Gardens

Children in several Denver public schools have been doing some "genetic tinkering" and have come up with animals never known to zoos or hunters. The truly amazing specimens are in residence in the DBG community gardens between Josephine and York streets.

The "Cheagle," a cross between a cheetah and an eagle, poses dramatically beside the raised-bed demonstration area. A "Twizzlecat" defends the compost piles. And the "Queen of Hearts Devil Dog," the official guardian of Cupid, is in the parking lot.

The brightly colored animals are the result of a Denver Parks and Recreation project, "Through the Eyes of a Child: Imaginary Animals." Students of 12 schools in the program drew their ideas of imaginary animals, then voted to turn some of the concepts into sculptures. They worked in groups to transform the chosen "animals" into 3-D cardboard sculptures. These prototypes were then turned over to Robert Lopez of Denver Parks and Recreation to form them in plywood. The children and their classmates painted the final sculptures.

"Through the Eyes of a Child" was developed by Bill Culkin, a Denver Parks and Recreation instructor. Culkin is developing other projects for Denver schoolchildren, some of which will be implemented with the help of DBG's horticultural therapy staff.

The animals will be on display at DBG through the summer.

quently between the lot and the Gardens from 8:30 a.m. to 6 p.m. As a bus rider you will have a chance to win two Continental Airline tickets at a drawing to take place at the end of the summer.

Entertainment is included in the regular admission fees. For more information call the DBG special events line, 370-8187.

(Please see "Kidding Around" and articles on peppers, p. 6.)

## Inside:

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## From the Executive Director

In his book *The Membership Mystique* Richard B. Trenbeth defines membership as "a relationship between an institution and a member — a relationship in which the emphasis is on providing attractive benefits and privileges to the member in exchange for the payment of dues to the institution, an expression of interest in its work or an implied intent to help in that work."

At Denver Botanic Gardens we highly value our relationship with our members. We try to listen carefully to you and provide benefits and privileges that are attractive. In 1992 we surveyed our members to learn about your particular interests. We learned a lot about you, about what you like at the Gardens and what you want from your membership.

We used the findings from that survey to redesign the membership levels and the benefits for each level. Such special privileges as the "Behind-the-Scenes Tours" and discounts at garden shops and florists were developed based on member input.

Since 1992 membership has grown from 10,000 to more than 13,000 — a 21 percent increase. With such a large increase in membership we think it is time to hear from you again. This fall a written survey will be distributed to a random sample of about 2,500 members.

I encourage you to participate in the survey if you are selected. Your response will help tremendously to align the member benefits with your interests and needs. We hope to learn what you like best about your membership and what we can do to enhance the membership benefits and strengthen our relationship with you.

Of course, even without a written survey, we are always interested in your feedback on membership benefits, privileges and special events, and your over-all relationship with the Gardens. Please feel free to call the membership office or call me directly if you would like to share your thoughts.

—Richard H. Daley

## Tributes

### In memory of Else J. Burger

Colorado National Bank  
Lydia & Willy Biazeck  
Ms. Clarice J. Lee  
Mr. David Mazar  
Ms. Fern Strasheim

### In memory of John C. Doherty

Ms. Joan Buckley  
Ms. Kathleen Gadd  
Ms. Jennis Hughes  
Ms. Susan Kannel  
Ms. Betty Konarski  
Ms. Louise Lilly  
Mr. & Mrs. Patrick McNellis  
Mr. Allan Pevoto  
Regis University  
Mr. Robert W. Smedley  
Mr. & Mrs. Lewis J. Wagstaff

### In memory of James A. Greenfield

Mr. & Mrs. Richard W. Curtis

### In memory of Lester C. Moore

Mr. & Mrs. John Moore

### In honor of Lil Halpern

Mr. & Mrs. Robert S. Appel

## Four Seasons Members April 1 to June 30

Denver Botanic Gardens notes with appreciation the following people who have renewed or joined as Four Seasons members during the second quarter of the year. Four Seasons members provide annual leadership support of \$1,000 or more to assist the Gardens in providing excellence in its programs and gardens.

Mrs. Katherine W. Beise  
Mr. & Mrs. Peter H. Blair, Jr.  
Mr. & Mrs. George R. Cannon  
Mr. & Mrs. Hugh Catherwood  
Mr. & Mrs. Robert M. Danos  
Mrs. Cris Dobbins  
Ms. Lynda Goldstein  
Mr. & Mrs. William G. Griffith  
Mrs. J. Ramsay Harris  
Mr. & Mrs. James B. Kurtz  
Ms. Kay Lawrence  
Mr. & Mrs. Frederick R. Mayer  
Mr. & Mrs. John Proffitt  
Mr. & Mrs. Lee E. Schlessman  
The Honorable Pat Schroeder  
Mrs. Charles Sterne  
Mr. & Mrs. L. Clark Tierney, Jr.  
Mr. & Mrs. Benjamin D. Trevor  
Mr. & Mrs. John D. Turner  
Mr. & Mrs. Jack Vickers  
Miss Janet Wierman

## Daley Elected to AABGA Executive Committee

At the annual conference of the American Association of Botanical Gardens and Arboreta in Los Angeles June 16 and 17, Richard H. Daley, executive director of Denver Botanic Gardens, was elected secretary of the organization's board of directors, a position on the board's executive committee.

Daley has written numerous articles for *The Public Garden* magazine of the AABGA and has contributed presentations at past AABGA conferences. At the time of his election to the AABGA board he was chair of the organization's Public Garden Administration Committee.

The AABGA, headquartered in Wayne, Penn., encourages professional standards among its members and advocates the interests of public gardens in political, corporate, foundation and community arenas. Its membership includes individuals and institutions devoted to botany, landscaping and horticulture.



Daley has been executive director of DBG since October 1991. He held a similar position for seven years at the Massachusetts Horticultural Society in Boston. He also teaches environmental ethics in University College at Denver University. Previously he spent 11 years at Missouri Botanical Garden in St. Louis after receiving his master's degree from Colorado State University.

His term on the AABGA board is two years.

## Green Thumb News Number 94-8 August 1994

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206

Editor: Larry Latta, 370-8033

Deadline for October issue: Aug. 19

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.





## Meet 200 Fungi at Annual Mushroom Fair Aug. 21

The Colorado Mycological Society will hold its 18th Mushroom Fair at the Gardens August 21—the best opportunity all year for DBG members to see and learn about the flesh fungi of the Rocky Mountain region. Members of the society will have collected fresh specimens of more than 200 species for the fair. The mushrooms will be identified, labeled and arranged educationally for visitors to view.

In addition, experts from the society will be on hand to answer questions and to help you identify specimens you may bring to the show. An official identifier, Jack States, professor of biology at the University of Arizona in Flagstaff, will be in attendance to assure accuracy.

For the less botanically inclined, the fair will also offer plenty of information about mushroom cookery, and mushroom books and paraphernalia will be for sale.

Hours of the Sunday-only show are 11 a.m. to 5 p.m.

## DBG Fall Fair Says 'Fall is for Planting'

Fall is for planting! That will be the message of DBG's horticulture staff and members of the green industry at a horticultural fair Friday, September 16, through Sunday, September 18, at DBG. It's your opportunity to learn why autumn is a great time for gardening.

Cosponsored by Denver Botanic Gardens, Colorado Greenhouse Growers Association and Garden Centers of Colorado, the three-day event will feature lectures, informal workshops and demonstrations.

Activities Friday, September 16, will be two lectures by horticulturist John Elsley, director of horticulture and vice president of Wayside Gardens in South Carolina. His 10 a.m. presentation will be "New and Exciting Perennials for the Rocky Mountain Region." At 1 p.m. he will present a second lecture on compatible perennial combinations, "Arrangements and Rearrangements: Partnering Old Friends and New Acquaintances in the Mixed Border."

Each lecture is \$10 if registration is received by September 2, \$12.50 after this date. Fee for both lectures is \$17.50 for early registrants, \$22.50 for registrations received after September 2. For more information on the lectures or a reservation form for lecture tickets, please call 427-8132 or FAX a message to 427-8139. VISA, MasterCard or Discovery Card are accepted.

On Saturday and Sunday a series of free (except for the nonmember DBG admission fee) walk-in horticultural demonstrations and workshops will be presented. Topics include water-smart gardening tips, how to care for roses and water gardens, perennial flower bed renewal, pruning, bulb planting and hands-on kids' activities.

More details will be published in the September *Green Thumb News*.

## Perennials Nurseryman Viette to Address Easy Gardens Sept. 28

Andre Viette, 1992 recipient of the Distinguished Lecturer Award from the American Horticultural Society, will present "Creating an Easy, Low Maintenance Garden," the fourth 1994 Bonfils-Stanton Lecture, Wednesday, September 28, at 10 a.m. and 7 p.m.

Owner of Andre Viette Farm and Nursery, one of the oldest privately owned nurseries of herbaceous perennials in the East, Mr. Viette has 45 acres of greenhouses and display gardens featuring hundreds of perennials, ornamental grasses, ferns and daylilies.

The slide lecture offers an opportunity to learn gardening tips developed by the Viette family over three generations and 60 years of growing perennials. Mr. Viette emphasizes a relaxed, philosophical approach to gardening, which results in easily maintained gardens and time to appreciate one's efforts.

He hosts the popular "In The Garden" radio program, which answers horticultural questions. He is also a prolific author who teaches 10 different horticulture courses.

The final lecture in the 1994 Bonfils-Stanton Lecture Series is scheduled for Wednesday, October 26, when Peter Del Tredici, Ph.D., will speak on "Tree Architecture and Pruning."

Tickets are \$7 for members and \$10 for nonmembers. Please note that the Helen Fowler Library will be open the evening of the lectures, from 5 to 7 p.m. For tickets or more information call 370-8020.



## 'Glass' Glitters at the Gardens Aug. 3-14

The Glass Artist Fellowship and Denver Botanic Gardens present the 15th annual "Glass at the Gardens" glass arts competition and show August 3 to 14 in DBG's John C. Mitchell II Hall. The event spotlights fine artists from Colorado and surrounding states.

The show will feature the finest works of glass art, including stained, beveled, painted, hot, carved and etched glass. Visitors will have the opportunity not only to view intricate and colorful works, but also purchase pieces — from fine art hangings and mirrors to sculptures and jewelry boxes.

A feature of this year's show is a two-day workshop taught by Colorado Springs artist Gary Vigen on flower painting on glass. Saturday, August 6, you can receive instruction from Vigen at the Gardens. Then Sunday, August 7, you will paint and fire your work at Old Lace Stained Glass Studio. Cost of the professional workshop is \$105 for DBG members and includes Sunday lunch. Previous experience, while helpful, is not necessary. Enrollment will be limited. For information call 770-5263.

The glass art show is included in DBG's regular admission (free for members) and will be open during regular summer hours. Proceeds from the sale benefit the fellowship and Denver Botanic Gardens. For more information call 935-5489.

*"Glass at the Gardens" will feature hundreds of imaginative fine stained glass works as well as useful decorative items and sculptures.*



## Contest: Great Photos of Denver Botanic Gardens

Focus on some of the beautiful scenes at Denver Botanic Gardens, take your best shot, then enter the second annual "Picture a Great Garden" photo contest and show. The show is scheduled for Friday, Saturday and Sunday, November 4 to 6, and is sponsored by DBG, Robert Waxman Inc, Pentax and KMGH-TV Colorado's 7.

Photo entry deadline is October 7. You can pick up information and entry forms in DBG's lobby or at any Waxman store.

Shutterbugs can practice their art anywhere, but entry photos must be taken at one of the four DBG properties: York Street, Chatfield Arboretum, Mount Goliath near Mount Evans or Walter S. Reed Botanical Garden above Evergreen. Directions to the four sites are located in the photo contest brochure.

Prizes will be awarded in adult and youth (15 years and younger) divisions. The adult and youth first-place finishers will receive a Pentax PZ 10 SLR Camera System. Second-place winners receive Medallion photo finishing from Waxman for one year (26 rolls of 35mm color print film). Third-place winners receive a one-year DBG Arbor Circle membership. Three other finalists in each division will receive free Medallion photo finishing from Waxman for three rolls of film.

Also, entrants are invited to enroll in a photo workshop at DBG September 25 from 1 to 5 p.m. Robert Koropp, a prominent photographer, will share techniques for close-up nature photography. The workshop costs \$35 for members, \$50 for nonmembers. Call Waxman University, 623-1200, to register.

## Able Gardening:

### Your Harvest Made Easy

August is the month for enjoying the fruits of your gardening labor. Flowers are blooming profusely — why not cut some for a colorful, fragrant arrangement or to dry? It's also the time to savor home-grown vegetables. Keeping flowers cut and vegetables harvested will extend your garden's productivity and does not need to be a laborious task. Even if zinnias are in the far back corner of the garden or squash plants seem to be producing enough fruit to feed the entire neighborhood, collecting and harvesting can be made easy.

When going out to the garden to collect a bouquet of flowers, take along a lightweight bucket with a handle. Fill the bucket with a few inches of water, just enough to hold the flowers until they are put into a vase. Using a bucket keeps both hands free and allows collection of more flowers than can be carried by hand.

To simplify cutting and gathering into one step, try cut-and-hold tools. These tools are designed to cut and firmly grasp the stem so that flowers can be easily retrieved. Long-handled cut-and-hold flower gatherers are especially valuable for extending reach to the back of the flower bed. The tools feature an easy-to-grip handle, are lightweight and can be used with just one hand.

Cut-and-hold pruners, which also require only one hand, are useful for gathering flowers within reach. Both tools decrease the amount of bending and straining involved because the flowers never fall to the ground. They can be purchased in specialty garden stores or from gardening catalogs. Cut-and-hold hand pruners are also marketed as one-handed flower snips.

One way to ease harvesting vegetables is to stay on top of production. Harvesting on a regular basis may mean more trips to the garden but will also mean lighter loads each trip. Again, a bucket or a basket with a handle will make your harvest easier to carry. If there is still an overabundance of produce, consider inviting a neighbor to come gather some vegetables.

—Kim Dorio  
Horticultural Therapy Intern

## Turfgrasses Rated for Drought Tolerance

Conserving water is a major concern in Colorado. The traditional Kentucky bluegrass lawn requires a large amount of water to maintain its lush green appearance. However, there is an increased interest in grasses that use less water.

In May 1991 Denver Botanic Gardens planted 40 trial plots of different turfgrasses under varying regiment of watering. These plots were seeded or "plugged" and were either watered at 1.5 inches of water per week, or 1.5 inches of water every three weeks. All 40 were mown to 2 inches high and treated the same with pesticides, weeding and fertilizers.

The plots were designed to demonstrate the difference between cool and warm season grasses, to illustrate the drought tolerance of various grasses, to demonstrate their dormancy and disease resistance and to discover alternatives to Kentucky bluegrass. In addition to the 40 plots of mown grasses, 10 native grasses were planted but not mown to display how these grasses would look if left in their natural growth. The unmown grasses were given 1.5 inches of water every three weeks to demonstrate their drought tolerance.

The top cool-season performer was *Festuca elatior* var. *arundinacea* 'Mustang' tall fescue, available at Rocky Mountain Seed Company. Another superior cool season grass was the mix of *Poa pratensis* 'Merit' (10 percent) and *Festuca elatior* var. *arundinacea* 'Rebel II' tall fescue (90 percent), which is also sold at Rocky Mountain Seed.

The best of the grasses not mown was the 'Sharp's Improved' buffalo grass, available as seed. The other unmown grasses were not suitable for lawn grasses for various reasons: Some were not sod-formers; others would re-seed in unwanted areas.

The best warm-season performer was the *Buchloe dactyloides* 'Nebraska #2'. However, this grass was planted as plugs and was available only as a research grass; it is not yet available for public distribution.

Another buffalo grass that did well was 'Sharp's Improved.' It is available at Rocky Mountain Seed Company. A buffalo grass sod that is available and is doing very well at the Gardens, but is not one of the trial grasses, is a variety called '609' that is available at Graff's Turf Farms in Fort Morgan.

—Jenny Price  
DBG Horticulturist



# Students Intern at DBG in Horticulture, Research, Hort Therapy

5

This summer, eight interns are expanding their knowledge and gaining valuable practical experience in three departments at Denver Botanic Gardens. Four college students arrived in mid-June to begin summer internships in applied horticulture. Two graduates started their internships in rare plant research in June. Two more have been assisting the horticultural therapy department staff since April. The internships are supported by special endowments and gifts.

at Gustavus Adolphus College in Saint Peter, Minn., is a biology major with a strong interest in horticulture and landscape design. In 1993 James spent a semester as an exchange student at Murdoch University in Perth, Western Australia. He plans to enter a graduate program in horticulture or landscape architecture and work at a botanic garden. Eventually he hopes to develop public plant displays that demonstrate the beauty of native species.

Felicity Smith is a botany major at Southern Utah University in Cedar City, Utah, and has a strong interest in horticulture. After graduation she hopes to pursue a master's degree and study drought-tolerant varieties of vegetable crops. Felicity's long-term goals include landscaping her home and traveling.

Applied horticulture internships are partially underwritten by gifts of the Denver Botanic Gardens Guild, the Associates of Denver Botanic Gardens, and the Denver chapter of Gardeners of America.

## Research

DBG's research interns, under the direction of botanist Carol Dawson, will assist in DBG's rare plant program.

Mark Minton has been a research intern at DBG since June 1993. He graduated with honors with a bachelor of science degree in environmental sciences from the University of Denver in 1994. His thesis analyzed spatial associations of an endangered species, *Penstemon penlandii*. He has been involved in both the Center for Plant Conservation program and the Rocky Mountain Arsenal project. He plans to study plant population biology in graduate school.



Tom Grant graduated with departmental honors with a bachelor of science degree in environmental sciences from the University of Denver



Left:  
Janet Laminack  
and Kim Dorio

Far Left:  
Felicity Smith,  
James Burghardt,  
Sarah Bailey and  
Eddy Dawson

Below:  
Mark Minton and  
Tom Grant

in 1994. His thesis compared nutrient cycling in stands of *Populus tremuloides* (aspen) and *Pinus contorta* (lodgepole pine). Tom plans to study plant ecology in graduate school.

## Horticultural Therapy

Working with horticultural therapist Rebecca Haller, interns Janet Laminack and Kim Dorio provide direct services to people with disabilities through off-site programs and at DBG's Morrison Horticultural Demonstration Center.

Janet, a recent graduate of Texas A&M University, is particularly interested in using horticulture with inner city populations to promote community development. Last summer she developed materials for the Houston Urban Gardening Program.

Here at the Gardens Janet has helped groups of elementary school children and developmentally disabled seniors and adults establish gardens that they enjoy caring for on a weekly basis. One of the highlights of the internship will be developing an intergenerational program that will bring children from a day camp to a retirement community. Both groups will benefit from their interaction in gardening activities.

Kim Dorio, a senior horticulture student at Texas A&M University, is pursuing a career in horticultural therapy because the field combines two of her loves: working with plants

and working with people. Kim has interned in a horticultural therapy program at a psychiatric hospital in Baltimore, Md. She has also been involved in a Master Gardener program at a federal women's prison and in a garden club at a retirement community, both in Bryan, Texas.

Kim will develop a nationwide survey to determine how horticultural therapy programs ob-

tain funding.

The DBG horticultural therapy program and its internships are made possible by funds from the Scientific & Cultural Facilities District.

## Applied Horticulture

The horticultural internships brought four college students for 10 weeks of educational enrichment and hands-on experience at the Gardens. Under the direction of adult education specialist Paula Ogilvie, the interns gain practical skills working alongside the Gardens' professional horticulture staff. Field trips, special projects and lectures round out the program, which highlights Front Range horticulture.

The two 1994 Alice Mann Owen Internships in Applied Horticulture were awarded to Sarah Bailey and Eddy Dawson. Sarah just completed her senior year as a biology major at Denison University in Granville, Ohio, where she researched the effects of the changing atmospheric conditions on plant growth. She is interested in various short-term careers, such as working for the Peace Corps and teaching in private secondary schools, before she goes to graduate school in landscape architecture.

Eddy Dawson is pursuing a degree in horticulture at Texas A&M University. He has done research in a pecan orchard for the American Society for Horticultural Science and has worked at Yellowstone National Park. He is interested in pursuing taxonomy and botanical illustration and would like to become a botanical illustrator.

The Clara Van Schaak Phipps Internships in Applied Horticulture were awarded to James Burghardt and Felicity Smith. James, a senior



"Colores de Chile"  
by Denver artist  
Teresa Duran  
is this year's  
Chile Harvest  
Festival poster  
and T-shirt art.



## Mistaken Identity & Popularity of Chile Peppers Began with Columbus, Continues Today

Columbus' quest for a shorter route to the spice trade of Asia and his self-assured misidentification of the people and cultures he encountered gave us two classic misnomers: "Indians" and "peppers." They have generated confusion for more than five centuries. This was compounded by the fact that peppers were rapidly accepted into the cuisine of European and Asian cultures leading some botanists to mistakenly regard them as native plants.

Peppers, *Capsicum* spp., belong to the nightshade family (*Solanaceae*) which includes potato, eggplant, tomato, petunia and tobacco, but has no botanical relationship to the true pepper (*Piper nigrum*).

Native American cultures from Mexico to Argentina and Chile flavored almost every dish with the variable fruit (popularly referred to as a vegetable). Perhaps it was the blandness of their general diet, primarily beans, maize and squash, that led to such widespread use. Peppers had religious and medicinal significance for these peoples as well.

Classification of the species within the genus is confused, due in part to the variety of fruit shapes and differences in pungency. The issue is further complicated by the endless cultivars and varieties which go by names from several languages as well as colloquial terminology.

Most garden peppers belong to the genus *C. annuum*, named for its behavior as an annual plant in gardens of temperate climates. The species is, however, usually a short-lived perennial in tropical

climates. The fruit of *C. annuum* may be hot or sweet depending on the genetic makeup of the cultivar. Hotness is also affected by the stage at which the pepper is harvested and by the climatic conditions under which it is grown. Relative "heat scales" rate the mildest to hottest varieties, but these, too, vary depending on the palate of the individual taster.

Sweet peppers include the bell, paprika, pimento and sweet yellow wax peppers, the most popular types grown in the United States.

In the Southwest, "chile" refers to the New Mexican type of pepper also called long green or Anaheim. These types are hot peppers that are usually red when mature, but are often harvested at the green, immature stage. The term "chile" is sometimes applied also to the hotter jalapeño, ancho and serrano types. Increased interest in these has paralleled the rage in Southwestern cooking.

*C. frutescens* as a species is most commonly represented by the tabasco pepper, the main ingredient of the popular, pungent sauce of the same name. Another fiery species, *C. chinense*, like all *Capsicum* species, is native to the New World. The botanist who named it mistakenly believed it came from China, thus mislabeling it forever. The habañero pepper is from this species.

Despite the confusion Columbus and the plant taxonomists have bestowed, dried and ground pods of the mature red pepper have become the most consumed spice in the world.

## Tips for Pepper Growers

Although chile peppers were unknown in the Southwest until historic times, they spread quickly, once introduced, because of their appealing, piquant flavoring. Peppers are more popular than ever, and dedicated gardeners find more and more uses for the hot and sweet fruits in their cooking.

Location is the most crucial factor when growing pepper plants for maximum yield. Find a hot, sunny spot in your garden that is protected from wind, and keep the soil moist. An application of organic mulch is helpful as long as it is kept away from the base of the plants.

If peppers do not have sufficient moisture when in bud and flower these will drop off before the fruit is set. Early-fruiting varieties perform better in our climate because they typically set their fruit before our hot, dry weather sets in.

Peppers are well-liked by many common garden pests, so keep a careful watch and act quickly to control pest populations before they become a problem.

Peppers are susceptible to a number of fungal diseases, such as anthracnose and leaf spot. If you see symptoms of fungal problems on your peppers apply a fungicide labeled for the disease and discontinue overhead watering, as this can spread the disease to other plants. Peppers are sensitive to tobacco mosaic virus, so do not smoke or handle tobacco when working with your plants.

Peppers can be harvested while green or after they are fully ripe and have become red, purple, orange or yellow. Cut the stem so that a small piece remains attached to the fruit. If you haven't been able to harvest your peppers before frost threatens, cut all that remain and store in a cool place. They will keep for up to three months.

## 'Kidding Around' at York Street

DBG's education department has scheduled a free "Kidding Around" activity to complement the Chile Harvest Festival August 26 to 28.

Children of all ages can celebrate the festival by creating a chile pin to wear or a magnet for a refrigerator. Drop by the Kidding Around tent any time between 10 a.m. and 2 p.m. prepared to craft some "hot" creations.



## *Fete des Fleurs*

A MAJOR BENEFIT FOR DENVER BOTANIC GARDENS

*Join us for a gala evening of dining and dancing under the stars*

*Thursday, the eighth of September*

*Nineteen hundred and ninety-four*

*at half after six o'clock*

*Denver Botanic Gardens*

BLACK TIE

CATERING BY LE PETIT GOURMET

MUSIC BY THE JERRY BARNETT ORCHESTRA

\$175 Per Person

\$250 Per Person Patron Level

Any amount in excess of seventy-five dollars per ticket is tax deductible within the limits prescribed by law.

Proceeds from the Fete des Fleurs will support educational programming for adults and children at Denver Botanic Gardens, including horticultural therapy and community outreach projects.

For more information call Molly Williams 370-8027

Please reserve \_\_\_\_\_ tickets at \$175 per person

Please reserve \_\_\_\_\_ patron tickets at \$250 per person

For the Fete des Fleurs at Denver Botanic Gardens, 1005 York Street

Reservations are due by August 25.

Name(s) \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

Amount Enclosed \$ \_\_\_\_\_

Please make checks payable to Denver Botanic Gardens Fete des Fleurs. Your check is your reservation. Seating preferences may be listed on an enclosed note.

Mail to: Fete des Fleurs  
Mrs. Stephen L. Waters  
7 Crestmoor Drive  
Denver, CO 80220

I am unable to attend but would like to support Denver Botanic Gardens with the enclosed contribution of \$ \_\_\_\_\_.

## Teachers Work to Enhance DBG Programs

Two Denver Public School teachers will be working with DBG's youth education specialist Geri Warfield this summer, helping develop materials to enhance youth programs.

Sandy Stokely, who is supported by the Colorado Alliance Science Fellowship and recently received the Colorado State Award for the Presidential Award for Excellence in Science Teaching, will be offering her assistance throughout the summer.

Claudia Kaplan is working as an educational consultant to develop hands-on, curriculum-related projects for school groups that tour the Gardens.

## From Your Membership Office

### Caribbean Treasure Hunt

Members and their guests are invited to discover some of DBG's finest plant treasures Saturday, August 13, from 11:30 a.m. to 2 p.m.

Tropical treats, fruit kabobs and tropical ice cream bars provided by Dreyers Grand Ice Cream, will be served following the hunt. Members are encouraged to bring their own picnic or purchase lunch from DBG's regular concessionaire.

The hunt will conclude with a mini-concert given by steel drum band Pan Jumbies in the DBG amphitheater. Bring a blanket for the show.

Reservations for this event are required and are limited; tickets are \$5. Children 3 and younger are free. Caribbean mementos will be distributed to all who attend. Please call 370-8187.

### 'Goblin' Kids Need Volunteers

You will have the opportunity to help kids create a creepy craft, enjoy a monster munchie, paint a funky face or play ghoulish games when you sign up as a volunteer for "Goblins in the Gardens," DBG's annual Halloween celebration. The event will take place Sunday, October 30, and Monday, October 31, from 4:30 to 6:30 p.m. To join the fun or for more information please call Amy Capra, 370-8021. The goblins need you to volunteer.

## August Concerts

### Garden Concerts

Laura Nyro  
August 5

La Bottine Souriante  
August 11

Pablo Ziegler & The Quartet  
for New Tango  
August 18

Tito Puente & His Latin Allstars  
August 24 & 25

Bela Fleck & The Flecktones  
September 1 & 2

### Kids' Concerts

Rory and The Knock-Your-Socks-Off Band  
August 3

The Marching Band Show  
August 17

Tickets are available 9 a.m. to 5 p.m. every day at the DBG gate house, 1005 York Street, or by phone, 777-7372. A \$1 service fee will be charged for phone orders. For information or a brochure with complete details, please call 370-8187.



Denver Botanic Gardens, Inc.  
909 York Street  
Denver, Colorado 80206  
303-331-4000 • 370-8032 TDD

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Denver, CO

# August



**Coming Up:** Classes are in *italics*. An \* indicates the first meeting of a class with more than one session.  
For course information see DBG's summer *Education Programs* or call 370-8020.

## August

- 1 \**Awesome Nature Art*  
\**Size Surprise I & II*
- 2 \**Glorious Gardens I & II*
- 3-14 Glass Arts Fellowship Show: "Glass at the Gardens"
- 3 Children's Concert:  
Rory and The-Knock-Your-Socks-Off Band
- 4 \**Iridescent Buzzing Bombers: Hummingbirds*
- 5 Concert: Laura Nyro
- 6 *A Sunburst Wreath*  
Free Day at Chatfield Arboretum (Colorado Residents)
- 7 *Behind-the-Scenes Greenhouse Tour*  
Free Morning at Denver Botanic Gardens  
(Colorado Residents)
- 8 \**African & Asian Adventures*  
\**Storybook Gardens I & II*
- 10 *The \$10 Bouquet*  
*Lions, Coyotes & Bears*
- 11 \**Hunting Mushrooms*  
Concert: La Bottine Souriante
- 13 *The \$10 Bouquet*  
*Japanese Tea Ceremony*  
\**Museum & Botanic Gardens:*  
*Natural History Comes Alive (teachers)*  
*Pollination Ecology*  
For DBG Members: Caribbean Treasure Hunt

- 14 *Japanese Tea Ceremony*  
*The Summer Tomato*  
Free Morning at Denver Botanic Gardens  
(Colorado Residents)
- 15 \**Garden Treasures*  
*Unique Herbal Pestos*
- 16 \**Beyond Xeriscape: Designing with Dryland Plants*  
*Summer Botanical Illustration:*  
*Focus on Advanced Skills*
- 17 *Magic Garden: Life on the Prairie*  
Children's Concert: The Marching Band Show
- 18 Concert: Pablo Ziegler & The Quartet For New Tango
- 20 *Backyard Herbs*  
*Japanese Tea Ceremony*
- 21 *Japanese Tea Ceremony*  
*To Dye For: Working with Plant Dyes*  
Free Morning at Denver Botanic Gardens  
(Colorado Residents)
- 26-28 Chile Harvest Festival  
Kidding Around: Chile Creations at York Street
- 24 Concert: Tito Puente & His Latin Allstars
- 25 Concert: Tito Puente & His Latin Allstars
- 27 *Bird Walks for Beginners*  
*Japanese Tea Ceremony*
- 28 *Aquatic Plant Walk*  
*Scripture Garden Walk*  
Free Morning at Denver Botanic Gardens  
(Colorado Residents)

## Chile Harvest Festival Returns Aug. 26-28

More than 200  
species of accu-  
rately identified  
fresh mushrooms  
will be displayed at  
the annual  
Mushroom Fair  
Sunday, Aug. 21,  
11 a.m. to 5 p.m.  
(Article p. 3.)

### Free Mornings at DBG Filled with Family Fun

Denver Botanic Gardens will continue to offer free admission every Sunday morning in August. Visitors are invited to participate in educational activities and talk with experts about specific DBG gardens.

The DBG horticulture staff and plant society volunteers will provide garden information from 10 a.m. to 2 p.m. each Sunday: August 7, walk through the vegetable garden; August 14, the experts will discuss the annuals collection; August 21, you can learn about the water gardens. A one-hour guided conservatory tour will be offered August 14 and 21, convening in the Lobby Court promptly at 10 a.m.

Children and their families can enjoy nature story readings in Helen Fowler Library at 10 and 11 a.m. Families can also participate in the creation of a community art project in the Lobby Court, decorating a flower, leaf or fruit and adding it to a



large "tree" that will continue to "grow" through the summer.

You are invited to bring a picnic brunch, or enjoy the DBG caterer's special Sunday morning menu.

Free August admission at other Tier I institutions of the Scientific and Cultural Facilities District:

- Denver Art Museum each Saturday;
- Chatfield Arboretum August 6.

Free admission is made possible by SCFD funds. A complete schedule of free times through 1994 at Denver's Tier I cultural institutions is available at the information desk in DBG's lobby.





# 'Fall Is for Gardening' Offers Weekend Workshops, Tours

From peonies to phlox, you can discover for yourself what the local experts know—that fall is an ideal time to plan and plant your garden. Colorado's bright, sunny days and cool nights make fall a great time of year to establish many woody plants and perennials.

"Fall Is for Gardening" is the theme for a weekend of workshops, demonstrations, tours and activities at Denver Botanic Gardens Friday through Sunday, September 16 to 18. These three days of exciting programs are cosponsored by Denver Botanic Gardens, Colorado Greenhouse Growers Association and Garden Centers of Colorado.

On Friday horticulturist John Elsley, director of horticulture and vice president of Wayside Gardens division of Park Seed Company, will lecture at 10 a.m. and 1 p.m. At his morning lecture he will speak on "New and Exciting Perennials for the Rocky Mountain Region." In the afternoon he will talk about "Arrangements and Rearrangements: Partnering Old Friends and New Acquaintances in the Mixed Border."

More than 30 workshops and demonstrations are scheduled for Saturday and Sunday beginning each day at 9:30 a.m. and continuing throughout the day. Speakers include Kelly Grummons from Paulino Gardens, "Perennials for Connoisseurs"; Harriett McMillan from Echter's Nursery, "Perennial Bed Renewal"; Debbie Borden from Welby Gardens, "Perennials for Beginners"; and Gordon Koon from Englewood Garden Center, "Garden Clean-Up: Preparing for Winter and Spring."

Other topics to be addressed during the weekend are fall bulb planting, soil preparation, coping with wildlife in the garden, windowsill herb gardening, attracting birds and care of woody plant materials. Experts will be on hand giving tours of selected areas of the Gardens and demonstrating pruning techniques, dried flower arranging and composting.

Local plant societies will staff booths in Mitchell Hall, answering questions on specific plants, such as orchids, daylilies, irises, water garden plants, African violets and cacti. Kids will be amused by make-it-and-take-it activities.

*Continued on Page 2*

## Green Thumb

# NEWS



Denver Botanic Gardens  
September 1994  
Number 94-9



*Pumpkin painting is just one of the activities DBG families can participate in Oct. 30 & 31 at "Goblins in the Gardens" (See p. 6).*

## Families to Harvest Fun at Seventh Annual October Pumpkin Festival at Chatfield

Denver Botanic Gardens' seventh annual Pumpkin Festival at Chatfield Arboretum Saturday, October 8, will offer something for everyone in the family. Pumpkins of all sizes, shapes and colors can be picked from the arboretum's two-acre pumpkin patch. They will be priced by size.

Indian corn, dried flowers, corn husks, gourds and baked goods will also be for sale. Craft booths, photo opportunities, hay rides, food vendors and various children's activities will round out the harvest celebration.

The festival will be sponsored by radio station KOOL 105, which will supply on-air personalities and play music through the day. Visitors can enter drawings for DBG memberships, and everyone can take a turn winning prizes at the KOOL Spin-N-Wheel.

Admission to the festival is free, but a \$2 per car fee will be charged to park in the arboretum. For more information call 973-3705 or 370-8187.

### Inside:

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*Photo contest  
page 6*

*Member news  
page 6*



## From the Executive Director

Many members know through personal involvement, through newspaper articles or through our Community Update newsletter that we have been holding a series of discussions during the summer with some of our neighbors, primarily those from the area immediately south of the Gardens.

It's important to us that all of our members understand these discussions and for you to let us know how you feel. The areas of concern to these neighbors revolve around the sound levels and the parking problems related to the summer concert series, a few specific improvement projects we contemplate starting next year and, mostly, the intensity of activity at the Gardens as projected for the coming years.

This dialog has led, I think, to a far greater appreciation on our part of the effects of some of our activities on our neighborhood residents and to a commitment to work to minimize these and to consider these effects in all of our plans. I believe the neighbors also have a deeper understanding of our programs and the reasons we have made many of our decisions.

It has led us to decide that we should, in fact, restudy some of the parts of our master plan, primarily aspects that we were not considering implementing, in any case, for many years. We will—with our neighbors, with Capital Hill United Neighbors and with the City—develop a larger process for community involvement as we engage in the restudy.

I am sure that the discussions we have had during the summer and the ones we will have this fall will result in a stronger and better institution. We are committed to serving a large, broad constituency with the highest quality horticulture, programs and services and to do so with the least disruption to our neighbors. From my perspective the dialogue has simply reinforced our need to fulfill this commitment.

—Richard H. Daley

## Tributes

### In memory of Betty S. Daley

Mr. & Mrs. Michael Claffey  
Pauline & Timothy Donohu  
Mrs. John E. Freyer  
Ms. Syd Glick  
Dr. & Mrs. Richard Koeppe  
Mr. & Mrs. Richard Kirk  
Barbara & Robert Maes  
Dr. & Mrs. Moras Shubert  
Mrs. Joseph Davis

### In memory of John C. Doherty

Ms. Inez A. Lucero  
Cynthia & Donald Redifer

### In memory of Helen Grieve

Mrs. Marilyn Girouard  
Ms. Syd Glick

### In memory of Ida Goodson

Ms. Eloise B. Pearson  
Ms. Betty Richards

### In memory of Wesley E. Howell

Ms. Corinna Burger  
Mr. John Caldwell  
Mr. Michael Carry  
Ms. Hilary Chouinard  
Ms. Kay Hahne  
Mr. Chris Joyner  
Mr. Vladimir Kolosha  
Mr. Robert Lasher  
Ms. Sandy Martin  
Ms. Carmel McGuire  
Mr. & Mrs. Karl Pfenninger  
Ms. Angie Ribera  
Mr. David Whitlock  
Mr. Malcolm Wood

### In memory of Eva Konz

Ivy & Gary Parish

### In memory of Donald L. McIntosh

Donna & John Simmons

### In memory of Jessie Pasterkamp

Ms. Lori J. Livingston

### In memory of

#### Adele Hartner Vaughan

Mrs. Helen W. Taylor

### In memory of George Whitacre

Ms. Syd Glick

### In honor of Olie Webb's 70th birthday

Mr. Hal Winslow

*Continued from page 1*

Fee for each Thursday lecture is \$10 if registration is received by September 2, \$12.50 after this date. Fee for both lectures is \$17.50 for early registrants, \$22.50 for registrations received after September 2.

For more information on the lectures or a reservation form for lecture tickets please call 427-8132 or FAX a message to 427-8139. VISA, MasterCard and Discovery Card are accepted. Programs on Saturday and Sunday are included in the DBG admission fee (free for members).

## A Corporate Friend of the Gardens



One way King Soopers shows its commitment to the community is through its support of programs at Denver Botanic Gardens. From lending shopping carts for the annual Plant and Used Book Sale to contributing to the Gardens annually, the grocery chain is a faithful friend.

Founded in Colorado in 1947 by Lloyd King, King Soopers now employs more than 14,000 people who are dedicated to providing quality customer service. With 69 front range locations, King Soopers offers unsurpassed product variety and selection. Denver Botanic Gardens would like to thank King Soopers for its continuing support.

## Annual Gesneriad Show & Sale at DBG

The Gloxinia Gesneriad Growers annual show and sale is scheduled for the weekend of September 3 and 4 in John C. Mitchell II Hall.

Members of the 3G's will share their interest in plants of the fascinating African violet family and offer a wealth of information and numerous varieties and species for show-goers to admire and purchase. The theme of this year's show is "Mythmakers: Real and Imagined."

The show runs Saturday from 1 to 4 p.m. and Sunday from 10:30 a.m. to 4 p.m. Cost is included in DBG's general admission fee (free to members). For more information call 469-1968.

## Green Thumb News Number 94-9 September 1994

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Editor: Larry Latta, 370-8033

Deadline for November issue: Sept. 16  
Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.





## Fall Offers Teachers Opportunities to Learn About DBG, Chatfield

Continuing this fall, Denver Botanic Gardens will share with area schoolteachers information and activities they can use in their classrooms.

September 10 and 17 at Chatfield Arboretum, Project Wild/Project Learning Tree will engage the teachers in hands-on interdisciplinary activities focusing on nature. Registration for the one-semester hour of graduate recertification credit is through the Colorado School of Mines for a fee of \$65. To register, contact Naturalist Marsha Staughton, 973-3705.

At York Street "Branch Out: Basic Plant Science for Teachers" will increase their knowledge of how plants can be utilized in the classroom. Morning informational sessions are followed by fast-paced, hands-on activities in the afternoon. The course will be offered October 1 and 15; the fee, including one credit, is \$90. Register through the Colorado School of Mines 273-3303.

For a brief look at how the Gardens can be utilized in and out of their classrooms, teachers will attend a teacher open house on December 12 from 3 to 5 p.m., joining staff members at the Gardens for an informal afternoon and enjoying DBG's distinctive holiday displays. For more information on this free event, please call youth education specialist Geri Warfield, 370-8043.

## Orchids to Blossom in DBG's Mitchell Hall

The Denver Orchid Society will host its fall show and sale Saturday and Sunday, September 10 and 11, in John C. Mitchell II Hall.

Members of the society promise to unveil more than one hundred kinds of orchids from many parts of the world. The elaborate exhibits will reflect this year's theme, "September Song." Six vendors from around the country will be selling a colorful array of plants.

The show runs from 9 a.m. to 5 p.m. each day. Cost is included in the general DBG admission fee (free to members). For more information call 733-1879.



*Youth education specialist Geri Warfield oversees the 'Kidding Around' fun.*

## Learn About Nature on 'Kidding Around' Days

You and the kids can discover the busy world of the honeybee at the Chatfield Arboretum from 10 a.m. to 2 p.m. on Saturday, September 3. You can taste different types of honey, attempt to dance like a bee and take home honey recipes and a beautiful art project during "Busy Bees," a "Kidding Around" activity. Bring your lunch and enjoy the setting as much as the bees!

Then, add to the flavor of fall gardening by participating in the "Kidding Around" program on Saturday, September 17, from 10 a.m. to 2 p.m. at 1005 York Street. During "Fall Flavors" you can taste a variety of fall treats, receive some recipes to relish at home and create a dazzling seed necklace to wear.

## Back-to-School Means More Fall Kids' Classes

Jump into learning at the Denver Botanic Gardens this fall, exploring the strange world of bats, the squishy insides of pumpkins and the unusual shapes and colors of leaves. Classes for children ages 3 to 7 are available beginning in September.

The Magic Garden series continues with four new classes—for preschoolers with an adult—offered specific Wednesdays from 9:30 to 11 a.m. Learn about leaves on September 21 or create and eat harvest snacks on October 19. November 9 investigate how to brighten any room with a blooming spring bulb, and create gifts for keeping or giving on December 7.

Preschoolers and parents are also invited on Saturday, October 22, from 9:30 to 11:30 a.m. or 1 to 3 p.m. to explore the inside of a pumpkin and carve a scary or funny face.

Children ages 5 to 7 may investigate the secretive world of bats on Saturday, October 22, from 9:30 to 11:30 a.m. and create wearable bat art including a bat mask as they learn about these mysterious mammals.

For additional information or to register, please call the education office, 370-8020.

## Families Can Visit Denver Cultural Institutions for Free

Denver cultural institutions will offer free admission several days in September, thanks to funds from the Scientific and Cultural Facilities District.

Denver Botanic Gardens hosts its final free Sunday summer morning September 4, when horticulture department staff and knowledgeable volunteers will discuss DBG's many ornamental grasses. Children can listen to nature story readings in Helen Fowler Library at 10 and 11 a.m. Families have a final opportunity to participate in the creation of a community art project in the Lobby Court, decorating a "tree" with a special leaf, fruit or flower.

Upcoming free days at other cultural institutions are:

- Chatfield Arboretum, September 10 and October 1;
- Denver Art Museum, every Saturday;
- Denver Museum of Natural History, September 13;
- Denver Zoo, September 28.

A complete schedule of free times through 1994 at these institutions is available at the information desk in DBG's lobby.



## Plant Pansies, Tulips, Poppies This Fall

In 1989, on the advice of several local nurserymen, Denver Botanic Gardens made its first attempt at planting pansies in the fall. Starting with several hundred plants in the annual trial garden with no winter protection, the pansies experienced a winter kill of 30 percent. During the following four years visitors witnessed an expansion of pansy planting during the month of October that has stabilized at 10,000 plants.

Key factors in the success of fall planting are planting early, mulching, watering in the winter and fertilizing in spring.

Plan to plant pansies no later than September 1. This allows the plants plenty of time to establish a deep root system before Denver's average frost date of October 3.

Recycle discarded Christmas trees and use the branches as a loose mulch to provide wind protection and keep the ground frozen, especially if pansies are planted late. Although the visual effect of the dried branches is less than appealing by spring, they reduce plant loss considerably if they are left on the beds until April 1.



Apply a complete fertilizer (5-10-5 or similar formulation) to the planting as soon as the soil can be worked in the spring.

Be sure to check the moisture content of the garden's soil periodically throughout the winter months, and water if necessary.

Winter-hardy pansies have become an important resource for extending the flowering season in the Denver area. If pansies are planted by September 1 it is possible to have flowers blooming throughout the winter months, and the color will explode in early April.

Winter-hardy pansies are available from local nurseries in bold or pastel single colors, in rich- and soft-toned mixes, and with large and small flowers. DBG has had success with the Universal, Rock and Crystal Bowl series. Several new varieties will be displayed April 1995.

### Tulips and pansies combine for favorite spring garden

Integrated plantings of tulips and pansies have become a favorite spring combination of Denver Botanic Gardens. Tulip displays can be underplanted or surrounded with borders of complimentary varieties of pansies. DBG's tulips are selected

for a mid- to late-season bloom to avoid as many late snows as possible.

Underplanting is most easily accomplished by planting the pansies in the fall in a pattern, leaving 8 inches between them. Spaces should be filled in with good quality top size tulip bulbs at a depth of 8 inches. This creates a spectacular field of tulips with a solid backdrop of low-growing pansies in the spring. Mixed Darwin hybrid tulips grow well over a field of blue pansies, or try solid pale yellow tulips over a pastel mix of pansies.

When planting bordered beds, tulips and pansies can be planted at the same time. It is easiest to plant from the back of the bed and work toward the front. Draw the pattern on the soil with a nontoxic paint (available at hardware stores), then plant on 6- to 8-inch centers. When selecting pansies for border plants it is more effective to use a smaller flowered variety for the front border and a larger flowered type for the inner or back border(s). You can also use tulips as inner borders if you choose shorter varieties with the same bloom season.

A recent addition to DBG's fall planting schedule has been mass plantings of Iceland poppies (*Papaver nudicaule*). They can be planted in the fall from 2-inch size containers or in the spring from 4-inch containers. They provide an incredible show of 4- to 6-inch blossoms from early May to July. A DBG favorite is *P. nudicaule* 'Champagne Bubbles'.

—Joann Narverud  
Operations Supervisor, Grounds

## Able Gardening: Compost Now for Next Year's Garden

This fall, while harvesting vegetables, fruits and flowers, you can give back to your garden and "harvest soil" for next season. Composting now will ensure rich soil in spring.

Composting breaks down organic materials into a rich, dark, soil-like substance that makes a great amendment in any garden. Grass clippings, leaves, kitchen scraps and garden waste are valuable components in a compost pile.

Backyard composting may bring to mind images of back-breaking labor, but there are ways to make it painless and easy. For starters, chop materials before they enter the compost: They will decompose more quickly and it will be easier on you when it comes time to turn the pile.

If the thought of having to turn a compost pile makes you cringe, check into a rotating barrel composter. The

units are available commercially in all sizes, and they turn the compost while you turn the crank. When looking for a rotating barrel composter, be sure to find one with "fins" on the inside to lift and drop the materials as the barrel is turned. An advantage of this type of composter is that it is on stilts, and the finished compost can be dumped directly into a cart.

If you are less conventional, try the compost pocket. This method involves burying food wastes in small pockets in your garden. Dig holes 10 to 15 inches deep and less than 2 feet across. Place food waste in the holes and cover with at least 8 inches of soil. This method may require more time to compost, but once it's ready, it's in place—no turning, no hauling and no spreading!

—Janet Laminack  
Horticultural Therapy Intern

## Rebecca Haller Elected President of AHTA

Denver Botanic Gardens' staff horticultural therapist Rebecca Haller was recently elected president of the American Horticultural Therapy Association. The 800-member association promotes the development of horticultural therapy and rehabilitation programs and the practitioners who provide the service. Haller has served on the board of directors of AHTA since 1986 and on the executive committee since 1990.

Haller has worked in horticultural therapy since 1978, when she graduated from Kansas State University. She aims to improve the level of expertise of horticultural therapists through education and competency testing.





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### WHAT DO YOU THINK?

To help us improve the Green Thumb News for our members, please give us your opinions on the following subjects:

Do you find the GTN easy to read?

Yes ☐ No ☐

Why/why not? \_\_\_\_\_

Is the newsletter well-organized?

Yes ☐ No ☐

Do you like the frequency of the newsletter?

Yes ☐ No ☐

Should it be published more/less often?

Yes ☐ No ☐

Do you like the GTN in its present size 8 1/2"x11"?

Yes ☐ No ☐

Would you like to see the GTN in a larger 11"x17" format?

Yes ☐ No ☐

Would you like to see more photos?

Yes ☐ No ☐

What subjects do you enjoy reading about in the GTN? (Check all that apply.)

Activities at the Gardens

Yes ☐ No ☐

Horticulture (how-to articles)

Yes ☐ No ☐

Nature/wildflowers

Yes ☐ No ☐

Environmental issues

Yes ☐ No ☐

Books

Yes ☐ No ☐

Trips/tours

Yes ☐ No ☐

Calendars/schedules

Yes ☐ No ☐

DBG staff/administrative news

Yes ☐ No ☐

Board of Trustees activities

Yes ☐ No ☐

Members/donors

Yes ☐ No ☐

Children's activities

Yes ☐ No ☐

Classes

Yes ☐ No ☐

Other

Yes ☐ No ☐

What other subjects would you like to see covered? \_\_\_\_\_

Are the articles: ☐ too long ☐ too short ☐ appropriate length

Comments: \_\_\_\_\_

Please fold so the reply panel is on the outside, tape and mail to DBG. Postage is prepaid, but your stamp will save the Gardens money.

Thank you for your time and help!

Green Thumb  
NTGN  
S  
Survey







## Spring Bulbs Add Color to Your Garden

The clever businessmen of the Netherlands have managed to persuade the world that bulbs and Holland are synonymous, whereas, in fact, there are very few native bulbs at all in Northern Europe. Nearly all the gorgeous tulips, daffodils and crocuses that Holland grows so well are native to much hotter and drier areas—Spain, Greece, Turkey and Central Asia.

Bulbs, corms and tubers are the ultimate escape mechanisms: the plants hide out underground in a state of suspended vegetation throughout the long, cold winter, emerging for a few balmy weeks in spring, only to return to the comfort and protection of their bulbs for the hot summer. Is it any wonder, then, that bulbs do so well in Colorado's climate?

The first bulbs to bloom in local gardens are usually the snowdrops. The most common species is *Galanthus nivalis*. Snowdrops can be found in several gardens at DBG: Some particularly lovely clumps grow along the east side of the Waring House among English ivy, invariably blooming by February. Snowdrops have been naturalized in the Rock Alpine Garden in the woodlands along the border with Cheesman Park and on the steep "north ledge" that flanks the waterfall at the center of the garden.

Snowdrops are examples of bulbs that do not seem to tolerate dry storage. If snowdrop bulbs are purchased from a local garden center, do not expect them to bloom the first spring. However, snowdrops move beautifully in full bloom and can be divided with impunity in active growth. Some mail order nurseries sell them "in the green." The best way to get them is as a live gift from a friend. As snowdrops fade, the grand trio of early spring bulbs quickly follows: crocuses, reticulate irises and botanical tulips.

A few early spring bulbs that have given extra pleasure in the Rock Alpine Garden are *Crocus aureus* 'Cloth of Gold' planted with *Iris histrioides* 'George'. These make a striking contrast of golden yellow and rich purple for most of February.

For years spring seemed to tiptoe into the rock garden rather slowly. Then one year 300 bulbs of *Tulipa fosteriana* 'Red Emperor' were planted in the lower meadow. Now the meadow blazes with scarlet for much of March—and one knows that spring has definitely arrived.

## Expert Gardeners Offer Insight Into Perennial Border

5

Denver Botanic Gardens presents "The Three C's of the Perennial Border: Classic, Cottage & Contemporary" lecture Tuesday, September 13, from 6:30 to 9 p.m. in John C. Mitchell II Hall.

Whether beginning, intermediate or advanced, gardeners will discover many horticultural ideas as they listen to three perennial experts sharing their gardening secrets and describing recently introduced plants suited for Colorado's climate. The experts will discuss how a variety of dependable perennials can be showcased in dramatically different styles. Photographs highlighting each of the gardeners' efforts will complement the lecture.

Denver Post columnist Lauren Springer, author of *The Undaunted Garden*, will address her personal water-wise cottage garden. Although her garden is in English mixed-border style, it does not demand

much water. It has been featured in numerous magazines this past spring and summer, including *Sunset Magazine* and *Colorado Homes and Lifestyles*.

Fellow Denver Post columnist Rob Proctor, author of the *Antique Flowers* books, will explain how quickly a perennial garden can evolve—his garden is only 16 months old, yet by planting in both spring and fall, his classic English perennial borders rival any established garden.

Finally, Tom Peace, designer of residential landscapes in Denver, Texas and Arizona, discusses how he uses colors to enhance contemporary and classic border design.

Register by calling the education office, 370-8020 or 370-8019. The fee is \$11 for DBG members, \$13.50 for nonmembers. Helen Fowler Library will remain open from 5 to 7 p.m. on the night of the lecture.



The dozens of cultivars of Emperor Tulips and the similarly huge and brash "waterlily" *T. kaufmanniana* and *T. greggii*, thrive in the heavy clay of Colorado, in time forming large masses of shimmering color. They open their flowers wide in the hot Colorado spring sun and close their flowers during our occasional freak snowstorms, only to bloom again in the next thaw. These giant-flowered, perennial tulips deserve a prominent place in xeriscapes, dry borders and rock gardens throughout Colorado. They are an example of how the Dutch have subtly improved and proliferated the beautiful bulbous bounty of Asia without breeding the toughness and heat tolerance out of them. Plant these liberally through your garden this fall, and you will be grateful for years to come.

Strangely, these plants that bloom so reliably in Colorado, that grow, spread and prosper and are inexpensive to purchase are rare in local gardens. Most garden centers have a huge selection of early spring bulbs, but to obtain unusual color forms or rare varieties, order from specialty catalogs. By late October many local nurseries begin to discount bulbs. Tulips and crocuses will often do just as well planted as late as December in Colorado.

The only thing to remember in planting the early spring bulbs is that they do not like places that are densely shaded in the winter. They will grow well in the shade of deciduous trees once their foliage has ripened, but bulbs are plants of sunny, hot climates. In Colorado they do best in open sites, in soils that are not overly rich or wet.

—Panayoti Kelaidis, Curator  
DBG Rock Alpine Garden

Members of the Fete des Fleurs Committee gathered at the Gardens for a kick-off luncheon June 1. The Fete will be held Sept. 8.

Pictured are (left to right, front row) Barbara Baldwin, Libby Trevor, Mary Osborn, Genie Waters, (back row) King Dobbins, Kim Morrill, Nancy Mitchell, Katherine Whitcomb, Ginny Freyer (Chair), Christy Owen, Betty Lynn Jackson and Barbara Hamman.



## From Your Membership Office

### Behind-the-Scenes Tours

Arbor Circle, Botanist Club, Conservator's Society and Four Seasons members are invited to a behind-the-scenes adventure in DBG's production greenhouses Wednesday, September 21, or Thursday, September 22. Tours begin at 5:30 and 6:30 p.m. each evening. Entertainment and refreshments will be provided in the Lobby Court. For information or to make reservations call 370-8021.

### Breakfast and Early Morning Tour

Rise and shine on Saturday, September 10! Members at the Botanist Club level and above are invited to a continental breakfast at the Ruth Porter Waring Botanic Gardens House terrace. Breakfast will be served at 8 a.m., and the tours will follow at 8:30. Call 370-8021.

### Gardens' Goblins Await You!

Denver Botanic Gardens will become a haunted habitat for young halloween monsters on October 30 and 31 from 4:30 to 6:30 p.m. Families can enjoy the haunted jungle trail, fang-tastic food, creepy crafts, eerie entertainment and much more!

Look for your Goblins in the Gardens invitation. Reservations for this event are required and limited; tickets are \$5. Children 3 and younger are free. Members can reserve their spooky spot beginning October 3 by calling 370-8187 or by mailing their reservation to 909 York Street, Denver, 80206. Volunteer opportunities are available; please call 370-8029 for more information.

### Members Get Free Plants Sept. 24

A selection of seven houseplants and four yard plants has been chosen for this year's plant dividend day Saturday, September 24. Members are invited to pick up their annual free plant in John C. Mitchell II Hall from 9 a.m. to 4 p.m. A plant will be awarded for each membership number. Quantities are limited, so come early for best selection.

#### Indoor plants:

*Schefflera arboricola*  
*Chlorophytum comosum variegatum*  
*Hibiscus cooperi*  
*Cuphea hyssopifolia*  
*Cuphea hyssopifolia cv. albiflora*  
*Cuphea hyssopifolia cv. Palest Pink*  
*Cuphea hyssopifolia cv. Yatsubusa*

#### Outdoor plants:

*Artemisia cv. Powis Castle*  
*Delosperma nubigena*  
*Iris sibirica cv's.*  
*Hemerocallis cv's.*

## New 'Great Gardening Guides': Vegetables, Herbs, Life Gardening

Denver Botanic Gardens has published three new Great Gardening Guides, packed with useful information, for home gardeners throughout Colorado and the region. The colorful brochures are on "Vegetables," "Herbs" and "Gardening for Life."

They are free but available only by telephone order: 1-800-944-8066.

Great Gardening Guides debuted in February 1993 with a series of five brochures: Composting, Water-Smart Gardening, Container Gardening, Environmentally Friendly Gardening and Perennials.

The vegetable guide, sixth in the series, is an introduction to some of the basic elements of vegetable gardening. Although there are no fool-proof formulas for vegetable gardening success, following a few simple principles outlined in the guide will improve gardening results.

The herbs guide explores the many rewards of growing and using aromatic herbs. As beautiful as they are useful, these versatile house and garden plants are generally easy to grow and resistant to most pests and diseases.

The latest guide, "Gardening for Life," helps gardeners maximize the lifelong pleasures of gardening, while minimizing the physical effort required to make a garden grow. Numerous techniques and tools that make gardening more comfortable, safe and easy are explored.

All guides contain information on important Colorado issues including the environment, water conservation and lifestyle enhancement. They encourage sound gardening practices such as the use of organic pesticides and herbicides, the recycling of natural materials through composting, and community beautification.

Availability of the brochures is being publicized as a public service by Colorado radio, television and cable outlets. The high-quality announcements were produced by Denver Center Media.

The guides were produced by the communication and publications section of the Marketing and Special Events Department and are expected to attract new members for DBG and popularize sound gardening practices.

## Employees of the Month

Steve Neuffer, utility worker in the operations department, was recognized by his co-workers as DBG's June employee of the month.

Steve is known for his hard work, strong initiative, cooperative attitude and especially, his "Blossoms of Light" expertise: Steve heads up the DBG volunteers and staff who install the myriad lights that decorate the trees during December. His commitment to the Gardens is commendable.

Gary Davis, operations supervisor of horticulture under glass, was chosen DBG July employee of the month.

Gary comes in contact with a diverse group of people—employees, court workers, members, vendors. He treats everyone with respect, courtesy and fairness. Gary is considered a good teacher, perhaps because he has had so much practice. Most importantly, Gary remembers to thank those who work for him and tell them when they have done a good job.

Congratulations and thanks, Steve and Gary, for jobs well done.

## Search for Great Garden Photos Continues

Take your best shot then enter Denver Botanic Gardens' "Picture a Great Garden" photo contest. Focus in on one of DBG's four locations and you may win a first-, second- or third-place prize in adult or youth (15 years and younger) divisions. The top six photos in each division will be shown on KMGH-TV's 11:30 a.m. news.

Deadline for photo entries is October 7.

Entry photos must be taken at one of the four DBG sites: York Street, Chatfield Arboretum, Mount Goliath or Walter S. Reed Botanical Garden. Directions to the four areas are included in the photo contest brochure, available in DBG's lobby or at any Waxman store. Photos will be displayed in John C. Mitchell II Hall November 4 to 6.

Entrants are invited, also, to enroll in a Waxman University photo workshop at DBG September 25 from 1 to 5 p.m. During the first part of the workshop Robert Koropp, a prominent photographer, will share specific techniques for capturing award-winning images. Then students can apply what they've learned in a hands-on session. The fee for the workshop is \$35 for DBG members, \$50 for nonmembers. Make reservations early by calling 629-1200.



# Springtime in Greece and Turkey

## A Denver Botanic Gardens Tour April 15-May 6, 1995

### Itinerary Highlights

- In Athens, see the art and architecture of several private gardens, with special visits to the Agora and Acropolis. The profuse display of flowers on Cape Sounion with its haunting temple should be at its height.
- Travel north to see the medieval monasteries of Meteora, which are situated in the heart of some interesting botanic sites.
- Travel south to Delphi and the botanically isolated Mount Parnassus, home of Apollo and his Muses, and celebrate Orthodox Easter.
- Next, on to Olympia to see the sacred site of Zeus and his Olympian athletes. The blood-red anemones should be at their peak. See the Temple of Bassae on the way to ancient Sparta.
- See the glorious asphodels blooming in Epidauros and Mycenae.
- Spend two nights on the island of Mykonos, visiting Apollo's birthplace at Delos.
- Fly to Istanbul then on to Bursa, the home of the original tulips, to see its alpine display.
- End with two days in Istanbul for art, architecture and shopping for local wares.
- Optional three-day extension to visit Ephesos and Priene, superb Hellenistic sites in Western Turkey.
- Typical accommodations are airy, clean and comfortable Greek government hotels of the Amalia chain.

### Estimated Air Cost

Denver/Athens/Istanbul/Denver as of July 1994 was \$1280. DBG can make this flight reservation for you, or you can make your own air arrangements.

A \$250 deposit will secure your reservation in the order received. Final payment is due February 15, 1995. Make check payable to Denver Botanic Gardens. Send to Teresa Valdez, 909 York Street, Denver, CO 80206. For more details, please call Teresa at the Gardens, 370-8064.

Join us for a spring trip to Greece and Turkey at prime flower time, to see wildflowers, antiquities and culture.

Internationally recognized DBG Curator Panayoti Kelaidis will return to his ancestral lands and do what he does best—show and teach us what he knows about plants. Edward Connors, DBG board member and European trip conductor for 30 years, will team with Panayoti to explore the art and architecture of Greece and Istanbul.



Name(s) \_\_\_\_\_

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Enclosed is my check for \$ \_\_\_\_\_ to Denver Botanic Gardens.

Charge registration to ☐ Visa ☐ MasterCard

# \_\_\_\_\_ Exp. \_\_\_\_\_

Signature \_\_\_\_\_

Are you interested in the Ephesos extension? \_\_\_\_\_

Because of the fast-paced nature of this trip, only physically active persons should sign up. Space is limited to 24 persons. Land cost based on double occupancy is \$3850 (\$590 single room supplement), which includes a \$250 voluntary tax-deductible donation to Denver Botanic Gardens. Price includes hotels, meals (except two dinners each in Athens and Istanbul), flights from Athens to Mykonos and Athens to Istanbul, tips, taxes, portage and entries. Three-day Ephesos extension fee is \$650, which covers transportation, entries, hotels and meals.

REGISTRATION



# September



**Coming Up:** Classes are in *italics*. An \* indicates the first meeting of a class with more than one session. For course information see DBG's fall *Education Programs* or call 370-8020.

## September

- 1-2 Garden Concert: Bela Fleck & The Flecktones  
3 Kidding Around: Busy Bees at Chatfield Arboretum  
Free Day at Chatfield Arboretum  
4 Free Day at Denver Botanic Gardens  
6 \**Botanical Illustration I*  
10 For Botanist Club members and above:  
Breakfast and Tour—FREE  
\**Applied Plant Taxonomy*  
*Garden Herb Walk*  
*Tea Ceremony*  
*Winterize Your Rose Garden*  
10-11 Fall Orchid Show & Sale  
11 *Tea Ceremony*  
12 \**Western Landscape & Garden Design Through 1850*  
\**Landscape Plants for Professionals II*  
\**Watercolor Painting—An Introduction to Landscapes*  
13 \**Conservatory Guide Training*  
*The Three C's of the Perennial Border:*  
*Classic, Cottage & Contemporary*  
14 *Container Herb Gardening*  
\**Water-Smart Gardening*  
16-18 Fall is for Gardening

- 17 Kidding Around: Fall Flavors at York Street  
19 *Fall Pruning*  
*Harvest Moon Picnic & Nature Walk*  
20 \**A Beginner's Look at Plants*  
\**Basic Landscape Design*  
*Transforming a Yard With Natives*  
21 For Arbor Circle members and above:  
Behind-the-Scenes Tour—FREE  
*The Magic Garden: Leaf Pursuits*  
22 \**Autumn Antics in Your Garden*  
For Arbor Circle members and above:  
Behind-the-Scenes Tour—FREE  
24 For DBG Members: Plant Dividend Day—FREE  
*A Sweet Annie Wreath*  
\**Orchids for Beginners*  
*Tea Ceremony*  
25 *Glorious Garlic*  
*Waxman University Photography Workshop*  
26 \**Bird Watching Basics & Beyond*  
28 Bonfils-Stanton Lecture: Creating an Easy,  
Low-Maintenance Garden

## Low-Maintenance Gardening, André Viette's Bonfils-Stanton Lecture September 28



Bonfils-Stanton lecturer André Viette will present "Creating an Easy, Low-Maintenance Garden" on Wednesday, September 28, at 10 a.m. and 7 p.m. in John C. Mitchell II Hall.

Viette heads André Viette Farm and Nursery in Fisherville, Va., which grows more than 3,000 varieties of perennials suited for sun and shade. His establishment of 45 acres of greenhouses and display gardens features hundreds of perennials, ornamental grasses, ferns and daylilies. It supplies major plant retailers and home gardeners.

Viette's slide lecture offers an opportunity to learn gardening tips developed by his family over three generations and 60 years of growing perennials. He emphasizes a relaxed, philosophical approach to gardening that results in easily maintained gardens and time to appreciate one's efforts.

The final lecture in the 1994 Bonfils-Stanton Lecture Series will be Wednesday, October 26, when Peter Del Tredici will speak on "Tree Architecture and Pruning."

Tickets for each lecture are \$7 for members and \$10 for nonmembers. Helen Fowler Library will stay open lecture evenings from 5 to 7 p.m. For tickets or more information call 370-8020.

## Annual Conservatory Guide Training Begins— Sign Up Now!

This winter, begin to share your enthusiasm for plants with groups of all ages as a conservatory guide. The training classes for new guides begin Tuesday, September 13, from 9 a.m. to noon and continue for the next five Tuesdays.

You will receive training in conservatory guiding techniques and tropical plant identification. Experienced guides and staff members will teach you how to share your knowledge with visitors from around the country.

This opportunity is offered only once a year. Cost for the course is \$25; for more information or to register call the education office, 370-8020.





## Pumpkin Patch Prepared for Picking

It's time once again to celebrate the harvest and go pumpkin-picking—Saturday, October 8, is the sixth Pumpkin Festival at Chatfield Arboretum.

Pumpkins of all sizes will be available for harvest in the pumpkin patch. A pumpkin painting contest, food sampling, various children's activities, craft booths, baked goods, dried flowers, fresh honey, souvenir photos and an opportunity to win a DBG membership round out the harvest celebration.

KOOL-105 FM will provide music and celebrities to liven up the festivities. Harvesters will have an opportunity to try the KOOL Spin and Win Wheel and the Sunglass Toss, where everyone that plays wins. Mike Nelson, KUSA television's meteorologist, will be on hand to help judge the pumpkin painting contest.

The Sub-Station returns to the festival with a great selection of deli and grilled food items and, this year, Rosalinda's Mexican Restaurant will add a spicy alternative.

The festivities continue from 10 a.m. to 4 p.m. Admission is \$1 for each adult; children 15 and younger are free. The pumpkins are affordably priced by size. Chatfield Arboretum is located at 8500 Deer Creek Canyon Road, southwest of the intersection of C-470 and South Wadsworth Boulevard.

# Green Thumb NEWS



Denver Botanic Gardens  
October 1994  
Number 94-10



*Goblins in the Gardens—Kids of all ages delight in the "Haunted Garden Trail" where tricks & treats are abundant.*

## DBG's '94 Rare Plant Program Focuses on Middle Park

In 1994 rare plant research at Denver Botanic Gardens continued to focus on the demographic analysis of several rare plants endemic to Colorado and Utah. As part of the Center for Plant Conservation program, the Gardens must determine the biological status of each species.

In our work, two questions are of immediate concern: Is the population increasing, decreasing or stable? What factors will have the greatest effect on the long-term survival of the species? In order to answer these questions we monitor tagged individuals in permanent plots. Two

research interns from the University of Denver spent many hours in the field collecting this information.

Most of the summer was spent in Middle Park, a high elevation sagebrush basin. An endangered milkvetch species, *Astragalus*

*Continued on Page 2.*

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## From the Executive Director

Since 1988 Denver Botanic Gardens has received support from the Scientific and Cultural Facilities District, Denver's model program that creates a public/private partnership of arts and sciences organizations.

The effect on DBG has been profound. We have dramatically expanded our education programs, especially those for children and schoolteachers. More than a three-fold increase in funding for these programs has allowed us to serve thousands of people we could not have reached without SCFD.

We've reinvigorated our Horticultural Therapy program, a nationally recognized program that uses plants to improve the lives of the mentally and physically impaired. We've used SCFD funds to make our facilities more accessible to wheelchairs and strollers.

Most obviously, our horticulture programs have been strengthened. The quality of the displays has never been better. Many new gardens have been added, including the Mayan and Inca gardens, the Gloria Falkenberg Garden (between the Herb and Scripture gardens) and the new WaterSmart Garden south of Boettcher Memorial Conservatory.

But this is a true partnership: DBG's private support has grown as well. Our membership exceeds 13,000, an enormous increase in five years. We have raised more than \$6 million in private funds for capital projects and endowment since SCFD was created. Through admissions, memberships, fund-raising and other sources, we raise \$5,000 every day of the year in addition to SCFD funds.

We have kept our admission rate low, increased free days to make the Gardens more widely accessible and admitted all schoolchildren in the SCFD area free of charge.

While we have added these programs and managed a much larger budget, our administrative costs have increased only 2 percent.

I believe when DBG members and the public review what we have achieved since 1988 with our SCFD partnership, they will be pleased, indeed.

—Richard H. Daley  
Executive Director

*Continued from Page 1.*

*osterhoutii* Jones, occurs as scattered colonies among the sagebrush. Ninety percent of the population is found along Muddy Creek, the construction site for the Woford Mountain dam and reservoir project.

The Gardens and the Nature Conservancy have been working together since 1992 to create a data base to be used for the construction of a matrix population model. Since the purpose of a matrix population model is to describe the rate and direction of population growth, land managing agencies will be able to use

the model to develop long-term recovery plans for this species.

Our research on this species involves a habitat study at the Muddy Creek site in order to determine the effects of soil surface disturbance and removal of sagebrush plants on the establishment of milkvetch seedlings.

When not in the field, the rare plant research team produced approximately 10,000 native shrubs for planting at the Rocky Mountain Arsenal. Shell Oil Company generously provided the funds for this work.

Carol Dawson  
Research Botanist

## Tributes

**In memory of Mary Coxhead**  
Alice McWhinney

**In memory of Betty S. Daley**  
Mr. and Mrs. Charles C. Gates  
Ms. Ellen K. Waterman

**In memory of Ellen Gilman**  
Mr. and Mrs. Charles C. Gates

**In memory of Sue Johns**  
Friends of Sue Johns

**In memory of Edna F. Jackson**  
Dr. and Mrs. Harrison P. Eddy  
Ms. Margaret A. Majewski  
Modern Woodmen of America

**In memory of Mary Proffer**  
Mr. and Mrs. Sanford List

**In memory of Jane Schendel**  
Mr. and Mrs. Sears Merrick

**In memory of Mrs. Rose Trow**  
Mrs. Benjamin Stapleton

## Employee of the Month

We applaud Wendy Howerter, marketing assistant, as the August employee of the month. She is always extremely efficient and takes pride and ownership in her work. In her job, Wendy easily makes the transition from marketing to special events to publications to telephone reception—and does all her jobs quickly, easily and cheerfully. Her willingness to help everyone is unyielding, and she maintains her composure while juggling many projects with a positive and friendly attitude.

Congratulations, Wendy!

## Green Thumb News Number 94-10 October 1994

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206

Editor: Larry Latta, 370-8033

Deadline for December issue: Oct. 21

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.





## Private Individual Support Vital to DBG

From its beginning in 1951 Denver Botanic Gardens has received the support of generous individuals. Some 40 years ago private citizens recognized an opportunity to create a major cultural resource whose displays and programs illustrate the primary connection between people and plants, and they contributed their resources to it. The investment of these original DBG members, along with a continuing tradition of support, has allowed the Gardens to become the premier botanical center between the Mississippi River and the West Coast.

Today private support from individuals continues to be a vital component of DBG's operations. Membership dues, while important, account for only a portion of our funding. A gift, in addition to dues, helps the Gardens carry out its mission: to encourage and increase the public's enjoyment and knowledge of plants and horticulture.

Through our annual appeal, members and friends of DBG share in the Gardens' present operations by contributing funds for immediate use. All gifts for current expenditure, whatever the amount, are important. They provide the extra measure of

support that assures continued excellence for the Gardens' ongoing programs and activities.

Gifts for unrestricted use are especially helpful because they allow DBG the discretion to use them where the funds will do the most good. Unrestricted contributions are allocated by the Board of Trustees and are typically used to support education programs (for children, adults and schoolteachers), horticulture (to ensure beautiful, well-designed gardens and displays), visitor services and other programs that members and the public enjoy.

Contributions for current use also can be restricted to a particular purpose. Whether one is interested in a certain garden, the library, education programs or research, ample giving opportunities are available.

DBG's annual appeal will run from October through December. A letter campaign will invite all members' participation and support. Hopefully, knowing that such support allows the Gardens to flourish and that many before you have helped the Gardens become what it is today will encourage you, too, to invest in the health and future of your Denver Botanic Gardens.

## Corporate Friend of the Gardens

### Smith & Hawken

Smith & Hawken, widely known as a garden supply catalog company, opened its first Colorado store in June. The outlet, located at 268 Detroit St., carries tools, clothes, furniture, housewares and plants.

Smith & Hawken welcomes DBG members to come browse. The store offers a 10 percent discount on regularly priced items to Denver Botanic Gardens members at the Botanist Club level and above.

Other retailers that provide discounts to DBG upper level members are Birdsall & Co., garden supplies and tools, 1540 S. Broadway; Bouquets, floral arrangements, 2029 E. 13th Ave.; and Englewood Garden Center, 3446 S. Emerson.

## Free Days Offered at Cultural Institutions

Thanks to funds from the Scientific and Cultural Facilities District, all four Tier 1 institutions are offering free days in October:

- DBG's Chatfield Arboretum, Saturday, October 1;
- Denver Art Museum, every Saturday;
- Denver Museum of Natural History, Thursday, October 6, and Saturday, October 29;
- Denver Zoo, Thursday, October 27.

A complete schedule of Denver's Tier 1 cultural institution free days through 1994 is available at the information desk in DBG's lobby.

Coupon good for

One Free  
Greeting Card

(Value up to \$1.50 • Does not apply toward discount)

**Remember—DBG Members receive 10% discount  
on all purchases over \$10!**

**Bring this coupon to  
Denver Botanic Gardens Gift Shop  
1005 York Street**



## Ornamental Corn and Gourds Provide Long-Lasting Autumn Decorations

As the end of another harvest season nears, you may find your freezer and cupboards well-stocked with the fruits of your labor. But not all that you harvest ends up on the kitchen table. When treated properly, ornamental corn and gourds supply enjoyment year-round, decorating any part of your house.

Ornamental or "Indian" corn is grown and dried for winter use by native peoples of the Americas. The four types—dent corn, flint (flour) corn, pod or husk corn and popcorn—are similar to sweet corn except that they require a longer growing season and they better tolerate drought conditions. Several catalog sources for seed and cultural information are available in Helen Fowler Library.

The grains of dent, *Zea mays indentata*, and flint, *Zea mays indurata*, corns contain a very hard starch which keeps them from shrinking when dried. They are available in green, blue, black, pink, red, white and calico. Native peoples use these corns in stews and grind them for flour.

The pod or husk corn, *Zea mays tunicata*, is traditionally grown by peoples of the Andes. Each kernel has a feathery husk, which gives the dried ears a very decorative look.

The grains of popcorn, *Zea mays praecox*, contain starch and a small quantity of water enclosed in a very tough skin. When the grains are heated the water becomes steam and explodes them. Popcorn comes in a wide range of colors including

black, red, blue, calico and the traditional white or yellow. You may also use dried ears of popcorn as ornaments.

When harvesting ornamental corn, allow it to stay on the plant as long as possible. It is best to wait until the ears actually drop over on the stalks, but harvesting can begin as soon as the green husks begin to turn yellow and tan. Pick the ears, leave the husks on and allow them to dry in the sun. After seven to 10 days remove the husks and continue to dry in a sheltered area for a few more days. If you intend to grind the kernels for corn flour, shell and store the grain in a cool, dry place. For ornamental use the husk can be pulled back attractively or removed.

Gourds are hard-shelled, primarily decorative members of the family *Curcubitaceae*. Three main types are those with yellow flowers, *Curcurita pepo olifera*; white-flowered gourds, *Lagenaria siceraria*; and loofahs, *Luffa sp.*

Individual fruits of yellow-flowered gourds are ready to be harvested when the stem begins to shrivel and dry. Harvest white-flowered gourds just before the fruits begin to turn yellow. Loofahs should be harvested when the fruits begin to turn brown. Their shells will begin to harden and they become lighter in weight.

To dry all types of gourds, begin by cutting each fruit leaving a small piece of the stem intact. Wash them well with a mild non-bleaching disinfectant and allow to dry. Complete the process by storing them in a warm, dry place to cure and harden.

Joannn Narverud,  
Grounds Operations Supervisor

## Able Gardening: Clean Up for the Winter

The growing season is drawing to a rapid close, but the work in your garden must continue. Fall garden clean-up is a necessary, albeit less than thrilling, aspect of gardening. To give yourself a little more incentive to tackle the task, remember, the more preparation you do now, the quicker you can dig right in come spring.

To begin garden clean-up, remove all plants that have finished bearing. If these plants are not diseased or insect-ridden, you can chop them up and compost them. Weeds also should be removed from the garden. A big-wheel garden cart is an ideal work saving aid for hauling plant debris from the garden, because it can hold a large amount and is easy to manipulate.

Fall is also the season to work with perennial flowers. Those that bloom early in the spring will do best if you divide them now and give them more room to grow. Try this easy method for dividing perennials: Once the clump has been dug up, place two pitchforks back to back in the middle of the clump. Pull the handles together, and the forks separate and divide the clump. Herbaceous perennials can be cut back to the ground, thus making the garden cleaner for the winter.

To complete the preparation for spring, add compost to your soil. A layer of mulch also should be added to the garden, especially around perennials.

Once the garden has been cleaned up, start your spring garden by planting bulbs. Use a long-handled bulb planter to make the perfect bulb-sized hole, while eliminating extra bending. Drop in the bulbs, cover them, water them and end this season with the growth of next spring on its way.

Janet Laminack  
Horticultural Therapy Intern



# Three Summer Programs Join Youths with Plants, Learning

5

DBG's horticulture staff got a boost from three programs this summer whose aims are to provide work experience in public agencies for young people who otherwise might have difficulty finding mentoring in their fields of interest.

## Rock Garden Assistant

The North American Rock Garden Society awarded DBG a \$5,000 grant to fund a summer assistant to DBG's Rock Alpine Garden curator Panayoti Kellaidis. DBG was one of only two institutions to receive the grant.

This year's assistant was Susan Delahunt, a native of Illinois with a deep love of plants and meticulous attention to detail. She is just embarking on her horticultural career.

## DUCC

In June and July DBG received the services of a group of Denver Urban Conservancy Corps youths and their supervisors, assisted by a grant from the Environmental

Protection Agency's Youth and the Environment Program. DUCC, established in 1991, is patterned on the 1930s Civilian Conservation Corp; it serves urban youths 17 to 21 who are "at risk" and out of school.

The DUCC "Hard Corps Workers," in crews of six to 10 youngsters, assisted in maintaining the water display gardens and were the main workforce that installed the new Water-Smart Garden along the south side of Boettcher Memorial Conservatory, where they graded the soil, built the path and placed the plants.

Besides providing experience in cooperative work and allowing young people to enjoy their fields of interest, these programs were of great benefit to the Gardens and its visitors.

*The new Water-Smart Garden, designed by Lauren Springer, takes shape with the help of workers from DUCC.*



## YEP

Three youths received their first-time work experience at the Gardens through the Youth Employment Program. Israel Vera, Stephanie Walker and John Bruning were sponsored at DBG by the Denver Parks and Recreation Department. The 10-week program was for 14- to 17-year-old students.

The YEP youths chose the Gardens because of their interest in plants. While here they gained a broad range of gardening experience under the supervision of DBG's professional horticulturists.





## Continental Family Series Brings African Arts to Art Museum

The Continental Airlines series of family events at Denver's Tier I institutions continues October 9 with an African Arts Family Day at Denver Art Museum.

For the price of regular admission to the museum visitors will explore an African marketplace with food, arts, crafts and books, and enjoy an afternoon of music and storytelling hosted by Opalunga Pugh. Hours are 1 to 5 p.m. For more information call 370-6300.

## Photo Contest Deadline Nears: October 7

Focus on the beauty of Denver Botanic Gardens, then enter the Picture a Great Garden photo contest and show sponsored by Denver Botanic Gardens, KMGH-TV Colorado's 7, Pentax and Robert Waxman Inc. The deadline for all entries is 4 p.m. October 7.

Take your best shot at one of the Gardens' four locations: 1005 York Street, Chatfield Arboretum, Mount Goliath Alpine Unit and Walter S. Reed Botanic Garden. For directions to the Reed property and permission to enter the grounds call 670-5200.

The contest has separate divisions for adults and for youths 15 years old and younger.

Stop by the Gardens or any Robert Waxman's store for complete rules and an entry form.

The top entries in "Picture a Great Garden" will be displayed Friday, Saturday and Sunday, November 4 to 6, in John C. Mitchell II Hall. For a preview, watch KMGH TV 7 midday news the week before the show. One of the top six entries in each division will be shown each day.

DBG members are invited to a special sneak preview of the show Thursday, November 3, from 7 to 8:30 p.m. Refreshments and music will be provided. For reservations call 370-8187.

## '95 Plant Sale Signing Up Division Leaders

Planning for the 1995 Plant and Used Book Sale is already underway. Chairman Mary Ann Conner reports that several sale divisions are still without leaders. If you would like to share your experience with the Gardens in this most important fund-raiser or if you need more information, please call 781-8641.

## Winter Rates, Hours Take Effect October 1

DBG's winter hours and admission fees for nonmembers take effect Saturday, October 1. Through April 30, the Gardens at 1005 York Street will be open from 9 a.m. to 5 p.m. daily. Admission will be \$3, or \$1.50 for people 65 and older, \$1 for children 6 through 15. Children under 6 are free. For information about current events at the Gardens, call 370-8187.

## African Violet Council Fall Sale Oct. 15

The Rocky Mountain African Violet Council, an association of Front Range African violet plant societies, will hold its fall sale at the Gardens Saturday, October 15. A portion of the proceeds will support horticultural programs at DBG.

It will be an opportunity to choose from among hundreds of healthy plants, from young "starters" to large gift plants covered with blossoms. Hours are 9 a.m. to 5 p.m. For more information call 370-8041.

## From the Membership Office

### Garden Goblins Await You

A good Halloween is a safe Halloween. DBG's spooky Halloween event, Goblins in the Gardens, provides a protected and fun event for your family.

Due to popular demand, Goblins in the Gardens will be held two nights this year: Sunday, October 30, and Monday, October 31, from 4:30 to 6:30 p.m. Look for your Goblins in the Gardens invitation in the mail, and make your reservations quickly.

Family and friends will have a great goblin time on the haunted garden trail, creating creepy crafts, hearing ghastly ghost stories, playing ghoulish games and enjoying fang-tastic monster munchies!

Admission is \$5; children 3 and younger are free. For telephone reservations call 370-8187.

### New Members To Learn How To Attract Birds

New members are invited to attend an exciting educational evening at Denver Botanic Gardens' fall new member party Thursday, October 20. Steve Frye, owner of the Wild Bird Center in Boulder, will present "Ways to Attract Birds to Your Yard Throughout the Winter." Music, coffee and dessert will be provided. The party begins at 7 p.m. in John C. Mitchell II Hall. For reservations or if you have questions please call Amy Capra, 370-8021.

Denver Botanic Gardens invites you to the free Members' Preview of

## 'Picture a Great Garden' photo show

Thursday, November 3  
7 - 8:30 p.m.  
John C. Mitchell II Hall

Refreshments and music  
For reservations,  
please call 370-8187.



## 'Kidding Around' Offers Informative Fun

You and your family can learn about the secretive life of bats and explore the important role bats play in pollinating flowers at the Pumpkin Festival Saturday, October 8, at Chatfield Arboretum. You also will take home a batty creation and instructions for making your own bat house.

Or put on a happy (or scary, or outlandish) face Saturday, October 22, at 1005 York Street, using leaves, seeds and other natural materials to create a mask to wear or display.

Families are invited to drop by either "Kidding Around" activity from 10 a.m. to 2 p.m. Price is included in the admission fees.

## Fall Children's Classes Feature Nature

If the activities at the Pumpkin Festival whet your appetite for learning about bats, you can register for "Bats, Bats, Bats," October 22, and prepare for even more batty fun. Children 5 to 7 will use their imaginations to create a bat mask and other treasures as they learn about the fly-by-night operations of these mysterious and misunderstood animals. The class meets from 9:30-11:30 a.m.

Children ages 3 and 4 have the opportunity to learn about pumpkins and other fall treats during two course offerings in October. Parents and children in "The Magic Garden: Harvest Happenings" will discover how to make peanut butter and vegetable people and enjoy fall stories. "Pumpkin Personalities" participants will investigate the stringy contents of pumpkins and enjoy some natural Halloween treats. For more information or to register, please call the education office, 370-8020.

## The 1994 Carl W. Tempel Wildflower Lecture



Acclaimed nature photographer John Fielder will present "A Colorado Autumn" as the 1994 Carl W. Tempel Wildflower Lecture Wednesday, November 2, at 7 p.m. in John C. Mitchell II Hall.

Fielder's talk will feature the stunning photographs of his newly released book *A Colorado Autumn*—hillsides ablaze in aspen trees, golden river valleys and snowy mountaintops. Some of the photographs were featured in an extensive color article in the September 10 "Travel" section of *The Denver Post*. He will also share wildflower photographs of his recent two-year project of photographing Rocky Mountain National Park for his next book, to be published in spring 1995.

John Fielder is the 1993 recipient of Sierra Club's Ansel Adams Award for Conservation Photography, which honors those who have made superlative use of still photography to promote conservation. He has been photographing the natural world since 1973. He has produced 19 books of nature photography, 15 on Colorado.

Fielder devotes much of his time to conservation issues. He was instrumental in rallying support for passage of the 1993 Colorado Wilderness Bill. At the bill's signing in August 1993, senators Tim Wirth and Hank Brown presented President Clinton with Fielder's col-

or photograph of Buffalo Peaks Wilderness.

Fielder is on the board of directors of numerous conservation organizations, including the Wilderness Land Trust, which buys private land within wilderness areas and transfers it to public ownership.

Fielder's lecture is \$5 for members and \$6 for nonmembers. You may register by calling the education office at 370-8020 or 370-8019. The Carl W. Tempel wildflower lecture was inaugurated in 1979 to honor Major General Carl W. Tempel.

DBG's Gift Shop will be open the evening of the lecture and will have Fielder's book available. He will sign his books after the lecture. DBG's Helen Fowler Library will be open this evening from 5 to 7 p.m.





Denver Botanic Gardens, Inc.

909 York Street

Denver, Colorado 80206-3799

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Permit No. 205

# October

**Coming Up:** Classes are in *italics*. An \* indicates the first meeting of a class with more than one session. For course information see DBG's fall *Education Programs* or call 370-8020.

## October

- |  |   |
|--|---|
| <p>1 <i>Forcing Bulbs</i><br/><i>Tree Walk at Fairmount Cemetery</i><br/>Free Day at Chatfield Arboretum</p> <p>4 <i>Unusual Herb Pestos</i></p> <p>5 *<i>Introduction to Horticultural Therapy</i></p> <p>6 <i>Perennials by Design</i></p> <p>8 Kidding Around: Going Batty<br/>at Chatfield Arboretum<br/>Pumpkin Festival at Chatfield Arboretum</p> <p>9 <i>Behind-the-Scenes Greenhouse Tour</i></p> <p>10 *<i>Eastern Landscape &amp; Garden Design</i><br/>*<i>Holiday Ornaments from Straw &amp; Wheat I</i></p> <p>11 <i>Berried Treasures</i></p> <p>13 *<i>Beginning Bonsai</i><br/><i>Fall Harvest Wreath</i></p> <p>14 <i>Green and Growing: Plant Activities for Your Winter Program</i></p> <p>15 Fall African Violet Sale<br/><i>Mushroom Workshop</i><br/><i>Putting Your Garden to Rest</i></p> | <p>16 <i>Tuscan Vegetable Soups</i></p> <p>18 *<i>Botanical Illustration II</i><br/>*<i>From the Ground Up:</i><br/><i>Designing Your Home Landscape</i></p> <p>19 <i>Herbs for a Healthy Winter Season</i><br/><i>The Magic Garden: Harvest Happenings</i></p> <p>20 New Member Party—FREE!<br/>*<i>Natural Style Flower Arranging</i><br/>*<i>Rescape Your Landscape</i></p> <p>22 Kidding Around:<br/>Fantasy Faces at York Street<br/><i>Pioneer Graves at Fairmount Cemetery</i><br/><i>Pumpkin Personalities</i><br/><i>Bats, Bats, Bats</i><br/><i>Holiday Ornaments from Straw &amp; Wheat I</i></p> <p>24 *<i>Landscape Plants for Professionals III</i></p> <p>26 Bonfils-Stanton Lecture:<br/>Tree Architecture &amp; Pruning</p> <p>30-31 Goblins in the Gardens (members only)</p> |
|--|---|



Be sure to see the new refrigerated herbarium display case in Lobby Court, a gift of Mr. & Mrs. Hugh S. Mosher of Columbia, IL, and of the Associates of DBG. The Mosher gift is in memory of his aunt, Marjorie L. Shepherd, long-time herbarium volunteer.



## Bonfils-Stanton Finale: Tree Expert Del Tredici Lectures on Architecture and Pruning

Woody plant expert Peter Del Tredici, the director of living collections at Arnold Arboretum of Harvard University, will conclude the 1994 Bonfils-Stanton lecture series Wednesday, October 26.

His program will explore the rules that control the development of a tree's characteristic form. Most trees can be identified from a distance by their overall shape. A proper understanding of these growth patterns will enhance your appreciation of trees and shrubs and help you make practical decisions about how to prune them. The slide lecture will cover basic and unusual pruning techniques such as topiary, bonsai and pollarding.

Del Tredici has worked at Arnold Arboretum for 14 years as a plant propagator and editor of *Arnoldia*. He is curator of the

famous Larz Anderson Bonsai Collection and a lecturer in the landscape architecture department at the Harvard Graduate School of Design.

He has studied various aspects of botany and horticulture over the last 20 years. His interests include magnolias and dwarf conifers, and his current passion is the ginkgo tree. He has published articles for scientific and popular press. His two books, *A Giant Among the Dwarfs* and *St. George and the Pygmies*, address the Canadian hemlocks.

Del Tredici will lecture at 10 a.m. and 7 p.m. You may register by calling the education office, 370-8020 or 370-8019. Tickets are \$7 for members and \$10 for nonmembers. Helen Fowler Library will be open 5 to 7 p.m.





## 'Blossoms of Light' To Celebrate Holiday Season

Lights, music and holiday cheer will warm up the month of December at Denver Botanic Gardens' annual winter celebration, "Blossoms of Light." The public festivities begin Saturday, December 10, and continue through Sunday, January 1. Hours for the lights and entertainment are 6 to 9 p.m.

New lighting decorations will entertain visitors. One is an active "fish" diving down a shimmering "stream." Also, your favorite vignettes from years past will return.

Choruses, dancers, bell ringers or other entertainment will fill each evening with festive sounds of the season. Traditional holiday refreshments of hot cider, hot chocolate, roasted chestnuts and *churros* will be available in DBG's decorated Lobby Court.

Santa Claus will visit DBG nightly December 10 through 23. For those who bring a new toy to donate to needy children, Santa will trade a coupon for a free hot chocolate or hot cider.

Miniature doll houses from the Denver Museum of Miniatures, Dolls and Toys will be displayed in John C. Mitchell II Hall throughout the celebration. Also, the museum will host candlelight tours of its facility Saturday and Sunday, December 10 and 11, from 5:30 to 8:30 p.m. A free double decker bus will be available for "Blossoms" visitors who wish to travel between DBG and the museum. Bus riders showing their DBG gate receipt or DBG membership card will receive \$1 off admission to the museum. For information about the candlelight tours call 322-1053.

DBG's Teddy Bear Teas for children return on two Saturdays. Judie Pankratz and Her Marionettes will delight the Teddy Bear Tea audience December 17. Entertainment for

## Green Thumb

# NEWS



Denver Botanic Gardens  
November 1994  
Number 94-11



*"Blossoms of Light"  
is a holiday fantasy  
for children  
— and adults.*

the December 10 Teddy Bear Tea will be announced at a later date. The teas are 11 a.m. and 1 p.m. each Saturday. Reservations are \$8 per child, \$15 per adult.

Holiday concerts will return two local favorite entertainment acts, Lannie Garrett and Wind Machine, and a newcomer, Pan Jumbies.

Please see the enclosed flyer for reservation information on the Teddy Bear Teas and the

holiday concerts, and make your reservations early—seating is limited.

"Blossoms of Light" activities, other than the Teddy Bear Teas and Holiday Concerts, are \$3 for adults, \$2 for persons 65 and older, \$1.50 for students and children 6 through 15, and free for children 6 and younger; members are admitted free.

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## From the Executive Director

Botanic gardens serve vital roles in communities throughout the United States and are far more common than many people think. Today, there are more than 400 public botanic gardens in the country, about one-quarter of all the botanic gardens in the world.

In order to facilitate communication and learn from each other, the gardens are joined in a national association, the American Association of Botanical Gardens and Arboreta. Last summer, I was elected to the 10-member board of this group which aids with information exchange, so a garden beginning a children's program or rewriting its bylaws can learn from others through this clearing-house.

The AABGA is at an important time in its history, taking on a larger roll. It will help inform the public about the roles botanic gardens play in the world, the importance of the biodiversity found in these great plant collections, the importance of these gardens in educating the public about plants and the environment, and the direct role gardens such as Denver Botanic Gardens play in protecting Earth's vanishing plants.

Botanic gardens, like zoos and aquariums, have a central role in bringing a deeper understanding of our natural world to the broadest public possible. The leadership role of DBG in enhancing the appreciation is directly aided by our work and collaboration with other gardens around the country.

*Richard H. Daley*  
Executive Director

## New, Renewing Four Seasons, Corporate Members

The following Four Seasons and Corporate members who have joined or renewed their memberships between April 1 and September 30 are greatly appreciated. Because of their generous support, the Gardens will continue to flourish.

### Four Seasons members

Mr. & Mrs. Charles R. McCotter  
Ms. Kathleen M. Price  
Mr. & Mrs. Bruce Benson  
Dr. William A. Campbell  
Mrs. Richard M. Davis  
Mr. & Mrs. George C. Gibson  
Mr. & Mrs. Frederic C. Hamilton  
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## Tributes

### In memory of John Falkenberg

Robert S. Graham  
Dr. & Mrs. Richard P. Koeppel  
Mr. & Mrs. Newell M. Grant

### In memory of Edna F. Jackson

Claire & John Simon  
Jane Thomas Noland  
Ruth Bovey Stevens  
Tracy Guthrie  
Dr. & Mrs. William C. Jackson  
Mr. & Mrs. James F. Bodine

### In memory of Mary Pahmeyer

Lori Taasevigen

## Year-End: A Traditional Time for Giving

The last months of the year are traditionally a time for giving. We exchange gifts with family and friends and often make charitable gifts to our favorite institutions. Year-end offers a special opportunity to review the year's finances and make tax-wise charitable gift decisions.

Denver Botanic Gardens offers the following year-end giving tips and encourages you to be charitably minded this holiday season.

- Charitable gifts made by December 31 are deductible in 1994 and can reduce or eliminate the impact of tax increases.
- Giving appreciated property rather than cash can bring you greater tax savings.
- To give securities, contact your investment advisor as early as possible. DBG also can provide more information.
- To ensure full tax benefits, keep all acknowledgements of gifts and gift amounts with your other tax records.
- Ask your advisor about the methods of giving that are most advantageous for you.

We hope you will consider Denver Botanic Gardens for your 1994 year-end giving. A gift lets you share in the Gardens' excellence in education, horticulture, visitor services and other programs members and the public enjoy.

## Green Thumb News Number 94-11 November 1994

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206

Editor: Larry Latta, 370-8033  
Deadline for January issue: Nov. 18

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.





# Scientific and Cultural Facilities District Supports Critical DBG Programs

3

Funds from the Scientific and Cultural Facilities District constitute about one-third of Denver Botanic Gardens' operating budget. From 1989 through 1992, Denver Botanic Gardens received approximately \$6.2 million from the district — about one third its budget.

This support has been critical to the organization's role as a major community resource. The funds have enabled the Gardens to provide unique educational, research, recreational and community service programs.

The district is comprised of Adams, Arapahoe, Denver, Jefferson and parts of Boulder and Douglas counties.

Following are examples of DBG programs and activities financed in whole or in part by SCFD funds.

## Education

- Free visits and instructional tours for approximately 10,000 students from the district.
- Training for volunteer guides of the conservatory, the outdoor grounds, Chatfield Arboretum and — for people with special needs — the Sensory Garden at the Morrison Horticultural Demonstration Center.
- Training for health and human services professionals to use horticulture in their therapy programs.
- Research of rare and endangered plants species of the Rocky Mountain West, in connection with the national Center for Plant Conservation species preservation program.
- Two interns in horticultural therapy, college students seeking practical experience to augment their academic training.

- Free monthly "Kidding Around" nature craft and learning programs for children and their families.
- Exhibits and activities for children at the summer Denver Black Arts Festival.
- Free plant related activity sheets for young visitors to the Gardens.



- Training schoolteachers in botany and horticulture, and familiarizing them with using plants and Denver Botanic Gardens in their curriculums.
- A Spanish edition of DBG's Visitor Guide.
- Enrichment classes and workshops on weekends and during the summer for children 3 to 11 years old.
- Upgrading computer software to better service clients of the adults' and children's classes.

## Horticulture

- Restoration and improvements in the Japanese garden.
- Environmental control systems in the greenhouses.

- Research and installation of the Aztec, the Mayan, the Incan and the Southwest Native Peoples' gardens, which demonstrate authentic plants and horticultural techniques of ancient American civilizations.

## Community Outreach

- Eight "Great Gardening Guides" to environmentally friendly gardening in the West, distributed to more than 10,000 gardeners in Colorado and surrounding states.
- The "Dr. Green" telephone information service for home gardeners.
- Customer service training for volunteers.

## Community Events

- The annual year-end holiday lighting and entertainment event, "Blossoms of Light."
- The Japanese Festival of cultural and horticultural arts, that spotlights DBG's acclaimed Japanese garden.
- The cooperative — with the Chicano Arts and Humanities Council — summer Chile Harvest Festival, featuring arts, entertainment, foods and plants of the Southwest.
- The "Fall is for Gardening" symposium of local and national experts for Front Range gardeners.
- The fall Pumpkin Festival at Chatfield Arboretum.
- "Stories in the Garden" literacy encouragement for children.

## Facilities Improvement

- Implementation of the recommendations of the Accessibility Advisory Group, to improve access to the Gardens' programs and facilities for visitors with physical or other impairments.



## Fielder to Present 'A Colorado Autumn'

Acclaimed nature photographer John Fielder will be the 1994 Carl W. Tempel Wildflower lecturer Wednesday, November 2, at 7 p.m. in John C. Mitchell II Hall.

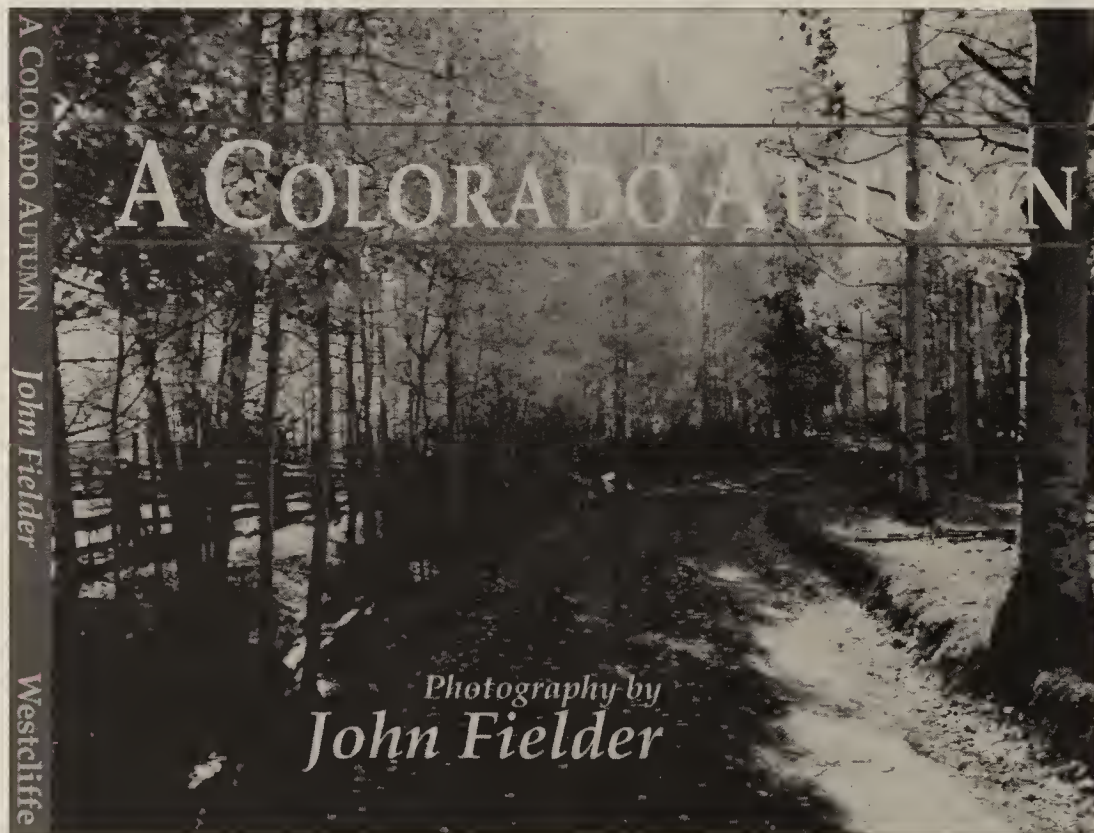
Fielder's talk will feature photographs of hillsides ablaze in aspen trees, golden river valleys and snowy mountaintops. The photographs are pictured in Fielder's newly released book *A Colorado Autumn*.

Fielder is the 1993 recipient of Sierra Club's Ansel Adams Award for Conservation Photography, which honors those who have made superlative use of still photography to promote

conservation. He has been photographing the natural world since 1973. He has produced 19 books on nature photography, 15 on Colorado. A selection of his photographs will be on display also in the Lobby Court beginning October 20.

Fielder's lecture is \$5 for members and \$6 for nonmembers. You may register by calling the education office at 370-8019 or 370-8020.

DBG's gift shop will be open the evening of the lecture and will have Fielder's latest book available. He will sign his books after the lecture. DBG's Helen Fowler Library will be open the evening of the lecture from 5 to 7 p.m.



## Employee of the Month

Darlene Duran, administrative assistant in the horticulture department, was chosen as September's employee of the month.

Her co-workers honored Darlene because she is helpful and willing to assist other employees with a smile. She is efficient, takes pride and ownership in her work and has volunteered her time to actively participate in staff events. Her dedication and loyalty to Denver Botanic Gardens are qualities that make her a true asset.

Congratulations, Darlene.

## Free Admission Offered at Denver Cultural

Denver cultural institutions will offer free admission several days in November thanks to funds from the Scientific and Cultural Facilities District. A complete schedule of free times through 1994 at Denver Tier 1 organizations is available at the information desk in DBG's lobby. This month's free admission days are:

- Denver Art Museum, every Saturday
- Denver Zoo, Friday, November 18.

## Able Gardening: Easy Leaf Clean-up

Fall is certainly here — perhaps the large quantity of leaves on your lawn and garden have given you a clue. But now that they have fallen from the tree, they need not fall from our favor: They can still be useful.

Before raking your lawn, mow it, and the leaves will then be chopped and ready for the compost pile. Leaves also make a nice mulch, especially for overwintering plants in your garden. Chopped or mown they will be easier to turn into the garden soil in the spring.

To make collecting leaves easier, use a big-wheeled garden cart. It will hold a large load for easy transport to the compost or garden. If you don't mind giving up the wheels, try a lightweight, collapsible "box bag" that stands on its own when unfolded. Available in various sizes at local specialty garden stores, they are useful for many chores in smaller lawns or gardens.

If you have too many leaves to use in your compost or garden, or if you insist on bagging your leaves, give them away! Other gardeners or neighbors not so blessed with trees would love to have your leaves. If all these options fail you, there is a city-wide composting program called Denver Leaf Drop sponsored by Denver Recycles. It began in October and continues the first three Sundays in November with five locations staffed and ready to accept leaves. To find the location nearest you, call Denver Recycles at 640-1678. This program is for Denver residents only, but other communities may have similar programs.





Denver Botanic Gardens



# BLOSSOMS OF LIGHT

**December 10 - January 1**  
6 to 9 p.m.

**Lighting Ceremony • Saturday, December 10 • 5:15 p.m.**

## Holiday Concerts

Tuesday & Wednesday, December 13 & 14 • *Wind Machine*

Tuesday, December 20 • *Lannie Garrett and Her Big Band*

Tuesday, December 22 • *Pan Jumbies*

## Teddy Bear Teas

Saturday, December 10 • Entertainment to be announced

Saturday, December 17 • Entertainment by Judie Pankratz and Her Marionettes



## Denver Botanic Gardens

1005 York Street • 370-8187 • TDD 370-8032

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# Denver Botanic Gardens Blossoms of Light 1994

Colorful, twinkling lights; magical displays; musical entertainment; and holiday refreshments—the holiday season is aglow at Denver Botanic Gardens.

## Holiday Concerts • 7 p.m.

Denver Botanic Gardens is pleased to present the third annual Holiday Concerts. Fill your holiday season with music!

**Tuesday & Wednesday, December 13 & 14 • *Wind Machine***  
**Tuesday, December 20 • *Lannie Garrett and Her Big Band***  
**Tuesday, December 22 • *Pan Jumbies***

## Teddy Bear Teas

Children (recommended ages: 3-10) are invited to bring their favorite doll or teddy bear—along with their favorite adult or two—to these winning modified high teas. For further information, call 370-8187.

### Registration Form

Mail and walk-in orders available after November 15 at Denver Botanic Gardens' ticket window, 1005 York St., Tuesdays - Saturdays, 9 a.m. - 5 p.m. No refunds or exchanges.

For Teddy Bear Teas, please indicate 1st and 2nd choices of time and date by using the #s 1 and 2 in the boxes.

Please make checks payable to Denver Botanic Gardens.

Please enclose a self-addressed, stamped envelope with all mail orders.

|   | # of Tickets           | Member Price | Nonmember Price | = | Total |
|---|------------------------|--------------|-----------------|---|-------|
| Holiday Concert • Tuesday, Dec. 13 • <i>Wind Machine</i>  |                        | \$9          | \$11            | = |       |
| Holiday Concert • Wednesday, Dec. 14 • <i>Wind Machine</i>  |                        | \$9          | \$11            | = |       |
| Holiday Concert • Tuesday, Dec. 20 • <i>Lannie Garrett and Her Big Band</i>   |                        | \$9          | \$11            | = |       |
| Holiday Concert • Thursday, Dec. 22 • <i>Pan Jumbies</i>  |                        | \$9          | \$11            | = |       |
| <b>Teddy Bear Teas • Saturday, Dec. 10 • <i>To be announced</i></b><br><input type="checkbox"/> 11 a.m. <input type="checkbox"/> 1 p.m. • Adults \$15 • Children \$8                    | (Adults/Children)<br>/ | \$15 / \$8   | \$15 / \$8      | = |       |
| <b>Teddy Bear Teas • Saturday, Dec. 17 • <i>Judie Pankratz and Her Marionettes</i></b><br><input type="checkbox"/> 11 a.m. <input type="checkbox"/> 1 p.m. • Adults \$15 • Children \$8 | (Adults/Children)<br>/ | \$15 / \$8   | \$15 / \$8      | = |       |
| # Grand Total   |                        |              |                 |   |       |

Name \_\_\_\_\_ Daytime Phone \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_



# Annual DBG Sale One-Stop Shopping for the Holidays



## Unusual gifts, ornaments, accessories for gardeners and plant lovers

DBG's annual Holiday Sale — this year, November 18 and 19 — will offer one-stop shopping for gardeners and plant lovers for all their holiday giving and decorating. Unusual items, many of them handmade, will satisfy your gift list, decorate your tree and home for the holidays and accessorize your garden for the coming season.

The '94 sale will feature items both tried and new.

Chatfield honey, "the best honey by a dam site," will be available again, after a shortage last year kept it from the table. The honey, processed without heat and packaged especially for

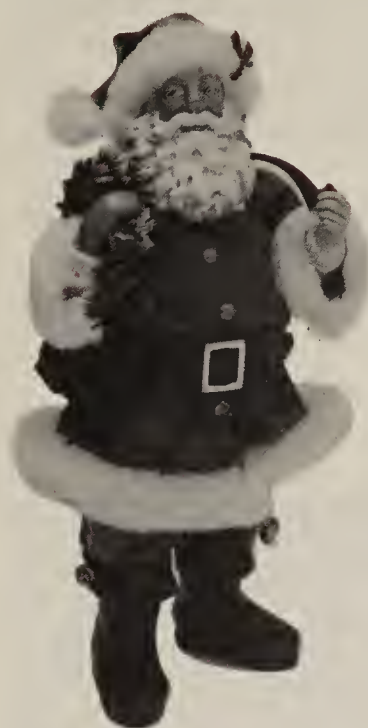
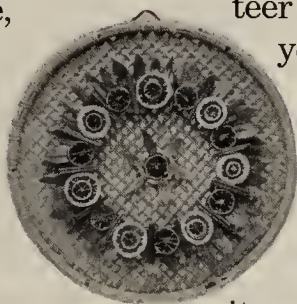
the Gardens by Chatfield Arboretum volunteers, has become a favored item for members to give during the holidays.

In the same culinary vein are the herbed vinegars brewed by members of the Denver Botanic Gardens Guild. This year they've come out with a new recipe: chile pepper. Of course, the original flavors will return, as will the herbed salts and culinary mixes for tasty sauces, meats and dressings.

DBG's sale, begun by gift shop volunteers in the Associates of Denver Botanic Gardens more than 40 years ago, is most famous for the clever handmade ornaments and home accessories assembled by a special year-round workshop led by long-time volunteer Avalonne Kosanke. This year they've assembled a wide array of angels, wreaths and other decorative items in the usual reasonable price range.

Other hand-crafted items—new this year—will be topiary-form accessories made from dried herbs and flowers by members of the Guild. Many are delightfully fragrant and will fill your home with the aromas of sage, sweet Annie or other herbs.

Members of the Guild have been gathering and drying flowers, seed pods and plants all season in preparation for this event. Hanks of dried flowers, some surprisingly colorful, and individual pods will be available for creative decorators who want to make their own accessories.



In addition to the fine home-brewed, handmade items for which the sale is justly famous, the gift shop has brought in thousands of distinctive ornaments, books, figurines, birdhouses and other accessories, especially for this event.

DBG members are reminded they will receive their 10 percent discount on purchases over \$10 during this fund-raiser.

Hours of the sale are 9 a.m. to 5 p.m. both Friday and Saturday.





## DBG Hort Staff Shares Picks and Pans of '94 Annuals

Now that fall garden clean-up has come to an end and the spring bulbs have been planted, the horticulture staff at Denver Botanic Gardens has had an opportunity to look back and review how well some of the annuals performed this year. DBG's annual display beds delighted thousands of visitors over the summer, especially shutterbugs.



Above: The background of foliage of the Low Maintenance Garden helped highlight annuals in pastel shades of blue, pink and cream near the main waterway fountain.

Top right: The box plantings of Dwarf Satin Salmon godetias and other light pink annuals with plants with grey or variegated foliage lit up the east-west pergola.

Right: For boldness, nothing could beat Scarlet Splendor zinnias against a wall of *Nicotiana sylvestris*.

This year — a record-breaker of hot, dry weather — proved to be challenging not only to gardeners, but also to gardens. Still, many annuals demonstrated a true “Western” toughness and showed why the short-lived plants remain popular with both home and public gardeners.

Which qualities did DBG horticulturists deem especially endearing in annual plants? At the top of the list was the plant's ability to keep blooming and stay neat without deadheading. They also rated a flower highly if

it proved disease and pest resistant, if it didn't weaken and flop over, if it thrived without frequent waterings and if it performed consistently in different locations and under varying conditions.

### The big and the bold

Universally admired was the tall Scarlet Splendor zinnia, which — used in several combinations throughout the grounds — blazed brilliantly all summer long. Besides its commanding color and size, it also showed a marked resistance to powdery mildew, which usually reduces zinnia foliage to ashes by midsummer. In most locations the leaves of Scarlet Splendor remained green into early September.

All the ornamental annual grasses were outstanding. Two, especially, received rave reviews: ruby grass (*Rhynchelytrum nigrlume*) and purple fountain grass (*Pennisetum setaceum* ‘Rubrum’). The graceful rose-colored heads of the ruby grass were especially lovely among the bright pink First Love dianthus. The latter was surprising in its carefree denial of deadheading.

A very tall tobacco, *Nicotiana sylvestris*, has proven to be a dependable background plant. Its tubular, white, night-fragrant blossoms are good “blenders” for other flowers whose colors might otherwise clash. They bloomed non-stop throughout the summer's heat.

### Slightly subtler

Licoris plant (*Helichrysum petiolatum*) was appreciated by all who noticed its subtle appeal. It looked equally good in beds and in pots, its silvery, trailing foliage remaining bright and crisp all season.

The shell-pink Dwarf Satin Salmon godetia (actually a clarkia) caught the gardeners' eyes. Planted among salmon nicotianas, variegated trailing vincas, Grey Lady Plymouth



scented geraniums and other delicately colored flowers, it didn't stand out aggressively, but was beautiful from late spring onward to those who paused to notice it.

A plant nearly as tall as the *Nicotiana sylvestris*, purple top (*Verbena bonariensis*) performed like a weed in several locations. Its flowers are slightly sparse; they and their wiry stems looked best among grasses and other tall “meadow” flowers.

Although it's a shrubby perennial, one of the favorite bedding plants this year was a new lavender (*Lavendula angustifolia*) called Lady that bloomed readily its first year from seed.

Other annuals cited favorably by DBG horticulturists were nierembergias, ivy geraniums, Lady in Red salvia, Celebrity Chiffon petunia and Blue Bedder salvia.

### A few bombs

A few annuals did not fair well this summer. Calendulas, tithonias and cosmos all fell victim to the hot weather early. Surprisingly, considering their succulent nature, so did the moss roses (*Portulaca* cultivars). Perhaps another year?

Cannas, Early Sunrise coreopsis. Red Plum gaillardia and rudbeckias were downgraded because they needed frequent deadheading to remain attractive, a quality for busy gardeners — at home or in a public setting — to consider.

Contributors to this evaluation were DBG horticulturists George Brinkmann, Suzie Brown, Joe Gomez, Kathy Kircher, Joann Narverud, Nicholas Snakenberg and Vanessa Tatsch — Ed.





## Garden Club Brings South African Floral Designer to DBG

The Garden Club of Denver will sponsor a glorious afternoon of flowers at the Gardens Monday, November 14, when it presents a public lecture demonstration, "Contemporary International Design Styles," by South African floral designer Charles Redmond Kinnear. Kinnear will also conduct a hands-on workshop on the same theme Tuesday morning, November 15.

Kinnear began his floral design studies near his birthplace in Northern Cape Province, near the Kalahari Desert. He later studied in London, Bonn and Tokyo. He studied Ikebana at the Sogetsu School (which champions

a relatively modern style of arranging), the Ohara School and the Ikenobo School (the oldest school of Ikebana in Japan). He holds several diplomas from the Sogetsu School.

His achievements are many: He was one of two designers chosen to decorate the Schloss Augustus Palace—near Cologne—for the state visit of Japanese Emperor Kaiser Hirohito; he was

the first foreigner invited to demonstrate Western flower arranging at the Sogetsu School in Japan; and he has held eight one-man exhibitions in South Africa. His lectures and demonstrations have taken him throughout Europe, South America, Asia, Canada and the United States. His current American tour begins in Honolulu, then continues through San Francisco, Portland, Seattle

and, after Denver, Memphis.

The "Contemporary International Design Styles" lecture will be 12:30 to 3 p.m. Tickets are \$10 in advance or \$12 if purchased at the door. Mail your

order with a check made out to Garden Club of Denver, 3481 S. Race St., Englewood, CO 80110. Your reservation will be held at the door.

Reservations for Kinnear's Tuesday demonstration, 9 a.m. to noon, at \$50 per person, are limited. Call Barbara Baldwin, 783-0010, or Susan Sheridan, 733-9396, for information.



## Start Holiday Tradition 'Kidding Around'

You and your family can begin a new holiday tradition by creating a holiday decoration together during "Kernel Capers," DBG's final "Kidding Around" activity of the year. From 10 a.m. to 2 p.m. on Saturday, November 5, you and your children can make a popcorn wreath and learn how to use other natural materials to decorate your home inside and out. This "Kidding Around" activity is included in the Gardens' standard admission fees (no charge to members).

## From Your Membership Office

### Special Gift for New Members

Through January 1, 1995, new members who join at the \$50-level or higher and all new gift membership recipients will be sent two marbleized magnetic picture frames to place their favorite pictures where they can enjoy them often. These attractive frames are our way of saying thank-you for joining the Gardens!

### Members To Preview 'Picture a Great Garden'

DBG members will get a first look at the "Picture a Great Garden" photo show on Thursday, November 3.

Prize-winners and other top photographs depicting flowering, colorful, seasonal scenes at Denver Botanic Gardens' four locations will be displayed. The evening preview is from 7 to 8:30 p.m. in John C. Mitchell II Hall. Music and light hors d'oeuvres will accompany the preview.

The evening is free to DBG members and their guests. To make reservations please call 370-8187.

### 'Herald the Season' Brings Two Nights of Cheer

Members will have the opportunity to preview this year's "Blossoms of Light" display Thursday and Friday, December 8 and 9, from 6:30 to 8:30 p.m. at DBG's traditional Herald the Season celebration.

The evenings include refreshments, storytelling, carolers, Santa, craft projects and music. Consult your members-only invitation for information or call 370-8021 after November 10 to make your telephone reservation.

Volunteer opportunities for this event are abundant! Please call 370-8049 for details.



Denver Botanic Gardens, Inc.

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# November

**Coming Up:** Classes are in *italics*. An \* indicates the first meeting of a class with more than one session. For course information see DBG's fall *Education Programs* or call 370-8020.

## November

- 1 \**Basic Ecology for Plant People*  
*Gourmet Herbed Oils & Vinegars*
- 2 *Toddlers to Old Timers: Flowers for Everyone*  
*Tempel Wildflower Lecture*
- 3 *Terrariums of Terror*
- 4-6 "Picture a Great Garden" Photography Show
- 5 \**Beyond Phalaenopsis*  
*Kidding Around: Kernel Capers at York Steet*  
*The Maiden's Braid*
- 6 *Behind-the-Scenes Greenhouse Tour*  
*Holiday Spices for Cheer*
- 7 \**Landscape & Garden Design Since 1850*
- 9 *The Magic Garden: Paperwhite Puzzles*

## What to Eat When Safeway is Closed: *Native Edibles*

- 10 *French Garden*
- 12 *Potpourri Workshop*
- 18 & 19 DBG Holiday Sale
- 29 \**Botanical Illustration III*

## December

- 8 & 9 For DBG Members: *Herald the Season*
- 10 *Teddy Bear Teas*
- 10-31 *Blossoms of Light*
- 13 & 14 Concert: *Wind Machine*
- 17 *Teddy Bear Teas*
- 20 Concert: *Lannie Garrett*
- 22 Concert: *Pan Jumbies*



New items at this year's Holiday Sale include dried herb topiaries and chile pepper vinegar by the DBG Guild. (See page 5.)

# 1994 Holiday Sale





# DBG Lights 'Blossom' Dec. 10 to Jan. 1

## Warms Holiday Season With Color, Entertainment

Lights, music and holiday cheer will warm up the month of December at Denver Botanic Gardens' annual winter celebration at 1005 York Street, "Blossoms of Light."

The public opening and light ceremony will be Saturday, December 10, at 5 p.m. Join the celebration in front of the Education Building for entertainment and the first turning on of the lights. Refreshments, Santa Claus and entertainment will be in the Lobby Court and John C. Mitchell II Hall.

The festivities continue each night through Sunday, January 1. Hours are 6 to 9 p.m.

New lighting vignettes will join favorite vignettes from years past; choruses, bell ringers, dancers or other entertainment will perform each evening. Traditional holiday refreshments of hot cider, hot chocolate, roasted chestnuts and churros will be available.

"Blossoms of Light" is \$3 for adults, \$2 for persons 65 and older, \$2 for students and children 6 through 15, and free for children 5 and younger. DBG members are admitted free. Information: 370-8187.

## DBG Receives \$112,500 Museum Operating Grant

Richard H. Daley, executive director of Denver Botanic Gardens, announced that the Gardens received a \$112,500 award from the Institute of Museum Services, a Federal agency that offers general operating support to the nation's museums. The grant is the maximum amount available to any museum from the IMS.

Daley noted that "this grant is a strong vote of confidence in the quality of Denver Botanic Gardens and the services we provide to the public, to children and to special audiences. Over the next two years these funds

## Green Thumb

# NEWS

Denver Botanic Gardens

December 1994

Number 94-12



*Dozens of fanciful scenes set in lights will delight visitors at the Gardens during December.*

will allow us to do even more in horticulture and education for the community."

The 300 recipients around the country represent a wide variety of disciplines, from zoos and aquariums to art, history and children's museums. DBG, an accredited member of the American Association of Museums since 1985, is one of only seven botanic gardens to receive an IMS grant in 1994.

IMS general operating support grants are awarded to museums that have demonstrated excellence in all areas of museum operations. Applications were

entered from 1,159 museums of all types around the country. To apply, each institution must perform a complete self-evaluation involving every aspect of its operation, from collections care and maintenance to educational programs and exhibits.

IMS director Diane Frankel said from Washington, D.C., that the grant is "a stamp of achievement that sparks vital public-private partnerships" to do what museums do best: "educate, fascinate, inspire, illuminate, inform, enhance, and enrich the lives of hundreds of thousands of visitors each year."

### Inside:

*Capital Campaign*  
page 3

*Holiday concerts*  
page 4

*Teddy Bear Teas*  
page 5

*Member news*  
page 7



## From the Executive Director

### The Year in Review

It is difficult to review such a full year as this in a short column because so many of the accomplishments this year were quite significant.

Our education programs continued to expand dramatically, with more than 30 percent growth in class attendance, with new programs for teachers, and with a first-ever week-long teachers' program on wetlands at our Chatfield Arboretum.

In horticulture, despite the drought this past summer, many long-time visitors commented that the "grounds have never looked better." We planted more than 100 varieties of chiles to complement the Chile Harvest Festival, which drew more than 10,000 people and added to our native peoples of the Americas gardens. Also, we installed in the Rock Alpine Garden an innovative crevice garden, and we realized most of the planting for the new "WaterSmart Garden" immediately south of the Conservatory, which will be completed next spring.

At Chatfield Arboretum we began a process of planning for its long-term future to take full advantage of its beautiful natural features. And the Pumpkin Festival this year was the largest ever, attracting more than 15,000 people.

Our other special events, including the Chile Harvest Festival and the Plant and Used Book Sale, were huge successes. In addition, we inaugurated an annual Fall Gardening Fair, which brought together regional horticultural experts for two days of presentations pertinent to Front Range gardening.

The summer concerts also were a big success but generated much controversy with our neighbors—despite renewed efforts to lower the sound levels, change to earlier beginning and ending times and add better shuttle bus service to and from out-of-the-neighborhood parking lots. As this newsletter goes to press, the future of the concerts is in doubt.

The capital fund drive (with Dan Ritchie, chancellor of Denver University, as keynote speaker at the kick-off dinner) went into full gear with more than \$5 million in pledges. The campaign will raise funds to renovate Boettcher Memorial Conservatory, create a new Children's Garden and add an exciting "romantic gardens" complex that will include a plaza, new gardens and other exciting features.

This column is being written before the reauthorization vote on the Scientific and Cultural Facilities District, but all of DBG's accomplishments—and all those of other cultural institutions—provide abundant reasons for its probable reapproval.

These achievements are only the beginning. And we appreciate that they were made possible by the talents and dedication of loyal staff members and volunteers and by the continuing support of our members, donors and community.

*Richard H. Daley,  
Executive Director*

## Corporate Friend of the Gardens

KMGH-TV Colorado's 7 is committed to using the power of television to heighten awareness of and provide support to Colorado's cultural community. That commitment is demonstrated in Colorado's 7 ongoing support of Denver Botanic Gardens, the Arvada Center, the Central City Opera, ArtReach, the Denver Rotary Club's Artists

of America and the Denver Art Museum, just to name a few.

Colorado's 7 was recognized by the Colorado Business Committee for the Arts as the Outstanding Media Partner for the Arts in 1994. This year, for the third year in a row, Colorado's 7 is a sponsor of the Gardens' "Blossoms of Light."

## Tributes

### In memory of Betty S. Daley

Mr. & Mrs. John C. Mitchell II

### In memory of John Falkenberg

Ms. Marjorie B. Bachman

Ms. Carol Bachman

Mr. & Mrs. Herbert L. Bacon

Mr. & Mrs. R. W. Balderston

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## Green Thumb News

### Number 94-12

### December 1994

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Editor: Larry Latta, 370-8033

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Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.





## Leadership Campaign Kick-Off Celebrates \$5 Million Raised Toward Goal



and the Schlessman Family Foundation and the Helen K. and Arthur E. Johnson Foundation for making the Garden Pavilion Plaza possible.

The keynote speaker for the celebration and kick-off was Daniel L. Ritchie, chancellor of the University of Denver. In his address Mr. Ritchie, an avowed "plant person," described the importance of the Gardens' mission. He commended the Gardens for its achievements and encouraged support of the Leadership Campaign. When the evening was over, Mr. Ritchie added his own generous contribution to the Leadership Campaign.

Nearly 200 guests sipped champagne and enjoyed a picnic supper in John C. Mitchell II Hall last October 13 in celebration of the Gardens' receiving more than \$5 million in gifts and pledges to the Leadership Campaign.

The festive event also served as the kick-off to the public phase of the campaign. The total goal of the drive is \$7.9 million.

Richard A. Kirk, campaign chairman, announced a Boettcher Foundation challenge grant of \$1.2 million to assist the completion of the campaign by enhancing the value of all future contributions.

Major donors honored at the dinner included the Gates Foundation for underwriting the Garden Pavilion Building; the Boettcher Foundation for its major support of the conservatory renovation; Mr. and Mrs. Thomas E. Taplin for funding the Fragrance Garden; El Pomar Foundation for its support of the Romantic Gardens waterway;

With a goal of \$7.9 million, the Leadership Campaign is the largest fund-raising effort ever undertaken by Denver Botanic Gardens. It will help the Gardens advance the knowledge and enjoyment of plants and meet the changing needs of the community.

The five major projects of the drive will add a unique Children's Garden; renovate Boettcher Memorial Conservatory so that it will once again be a national leader in tropical exhibits; develop a Romantic Garden (including a Fragrance Garden, Silver Garden, Waterway, Entrance Court and Perennial Border); build a Garden Pavilion Building to provide additional meeting and exhibit space; and make infrastructure improvements to keep the Gardens safe, accessible to all and well managed.

For further information about the Leadership Campaign, please call John Manos, capital campaign manager, 370-8197.

## Readers Respond to Green Thumb News Survey

Members' overwhelming response to a survey that appeared in the September *Green Thumb News* will enable staff to improve the newsletter. Although most readers do not wish to see a change in length, size or frequency of the newsletter, we received numerous requests for more horticulture how-to tips and Colorado gardening stories.

Many members would like to read monthly gardening chores and Denver Botanic Gardens blooming highlights. Members especially enjoy reading about activities at the Gardens, horticulture, the calendar of events and classes. Other requested topics were herbal recipes, pest problems and odd facts about DBG.

Readers commented on the problem of receiving the newsletter late, after certain activities of the month have past. We are working with the post office on this problem and hope to have the newsletter arriving on time before the first of the year.

We appreciate your ideas for stories next year and thank you for your comments. You will see many of your suggestions incorporated in the January issue.

—Editor

## Cultural Institutions Offer Final 1994 Free Days

Two Tier 1 institutions of the Scientific and Cultural Facilities District will offer free days in December:

Denver Art Museum,  
every Saturday;

Denver Zoo, Saturday,  
December 17.

The institutions can offer free admission days thanks to funds from the Scientific and Cultural Facilities District tax. Check the January *Green Thumb News* for the 1995 free day schedule.



## The Twelve Nays of Christmas

First nay of Christmas: Thou shalt not place thine poinsettia nor any other plant on thine television set where the evil heat from the tube warms the roots to a devilish temperature, for a cool pot best mimics the temperature of the good earth.

Second nay of Christmas: Leave not thine Christmas lights up all year, for such is the example set by the slovenly and wilt allow thine neighbors to call aloud: "Tacky, tacky, tacky."

Third nay of Christmas: Thou shalt not place thine Christmas tree in its water-supplying stand without first trimming afresh its trunk, for in short time does the bottom seal, which allows not the tree to drink of the water of life.

Fourth nay of Christmas: Allow not thine Christmas tree reservoir at any time during the season to run low on fresh water, for this is the cause of the resealing of the trunk. Through obedience in this wilt thou keep the needles of thine tree fresh and pliable into the new year.

Fifth nay of Christmas: Thou shalt not kill thine poinsettia by allowing it to sit in a saucer of standing water, for this is a cause of fatal root rot.

Sixth nay of Christmas: Thou shalt not leave candles burning unattended, for many are the houses that burn every Christmas as a result.

Seventh nay of Christmas: Wait not until the last minute to

buy thine trees, wreaths and other decor, for the procrastinator shalt choose but from the dregs which those saints of promptitude have passed over.

Eighth nay of Christmas: Forget not to indulge all of thine senses, for our Christmas needs are not fulfilled only by festive visuals and the sounds of harmonic carols, but by the scent of the season: Cinnamon, pine, gingerbread, spice, wassail, bayberry, cookies and reindeer. On second thought, perhaps we could manage without the smell of the reindeer.

Ninth nay of Christmas: Thou shalt not abuse thine budget. Remember thine checkbook balance, to keep it holy, for tomorrow come the statements, and the sinner shalt pay for his overindulgence.

Tenth nay of Christmas: Neither wilt thou expose the door of thine house in its nakedness, for a wreath is not decoration alone, but a symbol of welcome and hospitality in the chill of winter.

Eleventh nay of Christmas: Indulge not thine paperwhite narcissus bulbs with too much bright light and high temperature, for overexposure is the cause of legginess, making the stems tall and weak.

Twelfth nay of Christmas: Hold not back the zealousness of the spirit of thine heart, for when decorating at Christmas, remember that it is written: "Nay, it's not done 'til it's overdone."

—BJ Dyer, florist, *Bouquets*

## Able Gardening: Gift Ideas for Easier Gardening

'Tis the season for giving! This year consider giving the gardeners on your list a tool that will help make next year's gardening activities easier.

For indoor plant lovers one of the least expensive gift tools is a one-liter plastic squeeze bottle with a hooked tube for watering plants overhead. With just a squeeze the water is delivered to a hanging basket or a plant on a high bookcase without the need to get a chair or hoist a heavy watering can above your shoulders. What a thoughtful stocking stuffer!

Another favorite is a racheting pruner. This lightweight pruner

cuts through small branches with almost no effort, compared to a standard anvil pruner. This tool is a hit with anyone who appreciates using less strength to do a job—a great gift for someone with arthritis.

The squeeze bottle and the pruners are available at local specialty garden centers. They and other tools featured in this column in recent months are gifts that keep on giving and will help your loved ones garden and enjoy the good mental and physical health that results.

—Janet Laminack,  
Horticultural Therapy Intern and  
Rebecca Haller,  
DBG Horticultural Therapist

## DBG To Sound Jazzy for the Holidays

Denver Botanic Gardens will present four jazzy evening concerts during December, a musical complement to its extensive indoor and outdoor "Blossoms of Light" holiday decorations.

Tuesday and Wednesday, December 13 and 14, Colorado's own Wind Machine takes the stage. A favorite of DBG concerts, Wind Machine plays a unique brand of contemporary jazz that has gained it international acclaim.

Tuesday, December 20, jazz and blues singer Lannie Garrett and Her Big Band will play. The soloist is known for "romancing" each song in a way that each member of the audience feels she's singing only to them.

Thursday, December 22, Pan Jumbies, a steel drum ensemble, will present its blend of Trinidad steel drum band sound, jazz, reggae and contemporary improvisational elements. The concert will appeal to all ages.

DBG's holiday lights go on at 6 each evening. Concerts are at 7 p.m. in John C. Mitchell II Hall, 1005 York Street. Tickets are \$9 for DBG members, \$11 for non-members. To order call 370-8187.

## Museum Displays Houses, Miniatures at DBG

The Denver Museum of Miniatures, Dolls and Toys, which has helped decorate the Gardens for "Blossoms of Light" the past three years, will display miniature houses and scenes in DBG's John C. Mitchell II Hall again during this year's celebration.

In addition, the evenings of December 10 and 11 a free double decker bus will take visitors between DBG and the doll museum for its seasonal candlelight tours, and bus riders showing their DBG gate receipt or DBG membership card will receive \$1 off admission to the museum. For information about the candlelight tours call 322-1053.





## Support the Gardens Year-End Gift Opportunity

Denver Botanic Gardens is recognized as the most important botanical center in a vast area between St. Louis and the West Coast. The level of success and recognition that DBG has attained in its 43 year history was only possible with the strong investment of DBG members.

Membership dues, while vital to the Gardens' operations, account for only a portion of our funding. Your gift to the Annual Fund will help the Gardens carry out its mission: to encourage and increase the public's enjoyment and knowledge of plants and horticulture.

The Annual Fund is the underpinning of DBG's annual budget. Gifts to the Fund are used to support our most essential operations such as education programs for children, adults, and teachers.

Each year thousands of members and other adults participate in our courses, lectures and field trips. School children from across the metro area come to the Gardens for tours. Children and families have hands-on experiences with plants and plant materials through our "Kidding Around" program. DBG also trains teachers and health professionals who in turn take their new knowledge and experiences into classrooms, rehabilitation centers, and senior centers and homes.

Your year-end support is crucial to the ongoing success of our programs and we are asking you to include the Gardens in your year-end giving. A gift of \$100 supports "Dr. Green" for a day of answering plant and gardening related questions; \$500 underwrites a day of "Kidding Around"; \$1,000 admits over 500 school children for a fun and learning filled tour of the Gardens.

I know that you share our pride in the success and achievements of the Gardens. Your gift will be an investment that ensures the Gardens' continued distinction as a botanical center.

Sincerely,

Richard H. Daley  
Executive Director

**YES!** I want to invest in the future of Denver Botanic Gardens by making a year-end gift. This is a special gift and does not replace my annual membership dues. Please accept my tax deductible gift of:

☐ \$1,000   ☐ \$500   ☐ \$250   ☐ \$100   ☐ other

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Please send your tax deductible gift to:

Denver Botanic Gardens, Annual Fund • 909 York Street • Denver, CO 80206

For more information call 303-370-8027







## DBG Santa Collects Toys During 'Blossoms'

Denver Botanic Gardens will collect toys throughout the "Blossoms of Light" celebration to be distributed to children that Santa may have a hard time finding gifts for. Donated toys may be brought to DBG's Lobby Court through January 1.

Santa Claus will visit December 10 through 23, and for children who bring a new toy to donate, Santa will trade a coupon for a free hot chocolate or hot cider.

## Teddy Bear Teas Are Dress-Up Holiday Highlights for Children

Parents or grandparents looking for something to do with the children during the holidays — besides trudging the malls — would enjoy accompanying the youngsters to Denver Botanic Gardens' Teddy Bear Teas.

Set for two Saturdays, December 10 and 17, these dress-up parties based on modified British high teas offer hearty kids' food, flavored teas, desserts and special entertainment. They will appeal to children from 3 to 10 years old. Teddy bears and dolls are also welcome.

DBG will be decorated indoors with thousands of poinsettias and other holiday flowers and with special displays from the Denver Museum of Miniatures, Dolls and Toys.

The teas are 11 a.m. and 1 p.m. each Saturday. Reservations are \$8 per child, \$15 per adult.

These parties have become quite popular over the years; reservations sell out fast. To order, call 370-8187.

## Local Authors, DBG Teachers Contribute to Major New Gardening Book, Taylor's Master Guide

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Several Front Range authors, some of whom teach at Denver Botanic Gardens, recently contributed essays for a major new national gardening book, *Taylor's Master Guide to Gardening*. Their inclusion is a recognition of the increasing quality of horticultural scholarship in Colorado.

The book, available in DBG's gift shop and library, is encyclopedic in scope. It would make a helpful gift to beginning gardeners — but they should be warned that not all the plants illustrated and described can be grown in this region. Otherwise, it lives up to the well-deserved reputation of previous Taylor's guides.

Diane Ipsen wrote "The front garden" essay for the book. A landscape architect specializing in residential design, she lectures and teaches at Denver Botanic Gardens and was the consulting editor of DBG's *Mountain, Plain and Garden: Deciduous Trees*. She writes about horticulture, design and landscape history.

Rob Proctor is the author of several gardening books including *Antique Flowers: Annuals* and *The Indoor and Outdoor Potted Bulb* and an accomplished botanical illustrator and photographer. He wrote several essays for Taylor's guide: "Gardening across America," "Annuals and biennials," "Patios, terraces and restful nooks" and "Making the most of a small space." Proctor also teaches at the Gardens.

Lauren Springer, who designed DBG's new WaterSmart Garden, wrote the essays "Perennials," "Color in the picture," "Gardening in the shade," "Beds and borders" and "Rock gardens." Besides teaching at Denver Botanic Gardens, she contributes to a weekly gardening column in *The Denver Post* and has written two books *Water-wise Gardening* and *The Undaunted Garden*.

Alan Rollinger and Mary Ellen Tonsing provided information for the descriptions of individual species and cultivars as well as the "how to grow" sections in the plant encyclopedia. Rollinger is a landscape architect in Denver and teaches courses on hardy trees and shrubs at the Gardens. Tonsing gardens in Littleton and has a special interest in hardy ferns and other perennials for shade.

Jim Borland, Gayle Weinstein and Springer contributed information on growing healthy plants. Borland, owner of Denver landscape consulting firm Native Concepts is a former plant propagator at DBG and is a frequent contributor to trade and scientific journals. He provided material on propagation. Weinstein, owner of Eletes Consultants in Denver, the consulting director of education at Bernheim Arboretum and Research Forest in Louisville, Ky., and a former horticulture director at the Gardens, consulted on watering.



# Special Thanks to New, Renewing Upper Level Members, Apr. 1 to Sept. 30

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## From the Membership Office

### Members Invited to 'Herald the Season' To Preview 'Blossoms'

"Herald the Season," DBG members' preview to "Blossoms of Light," will be Thursday and Friday, December 8 and 9, from 6:30 to 8:30 each evening. The event brings holiday excitement to young and old with music, craft projects, Hanukkah stories, sweets and treats, Santa and much more. Reservations are limited: 370-8021.

### Tax Deductions for Memberships

Members who pay for gift memberships may credit the appropriate deduction on their tax return just as though the payment were for their own membership. IRS guidelines state that memberships are deductible minus the fair market value of benefits received.

- Gardener membership, \$25; fair market value \$25; deduction \$0;
- Landscaper membership, \$35; fair market value \$32; deduction \$3;
- Arbor Circle membership, \$50; fair market value \$38; deduction \$12;
- Botanist Club membership, \$120; fair market value \$88; deduction \$32;
- Conservator's Society membership, \$240; fair market value \$135; deduction \$105;
- Perennial Partners membership, \$500; fair market value \$173; deduction \$327.

If you have additional questions, please consult your tax advisor.

### Jefferson Hills Students Make "Goblins in the Gardens" Masks

The fanciful paper maché masks at DBG's "Goblins in the Gardens" in October were made by 26 students of Jefferson Hills, a treatment facility for adolescents. They spent weeks planning, drawing, creating and painting the masks, then donated them to the Gardens for future "Goblins" events. DBG thanks them for their creativity and generosity.



## Give a DBG Membership!

### GENERAL BENEFITS FOR ALL MEMBERS

- Free admission to York Street and Chatfield facilities
- *Green Thumb News* and *Mountain, Plain & Garden* magazine
- Discounts on classes and field trips
- 10% discount at Gift Shop and at the Plant & Used Book Sale
- Early admission to the Plant & Used Book Sale
- Free plant upon joining and yearly plant dividend
- Borrowing privileges at Helen Fowler Library

- ☐ The Gardener – \$25 – One card admits member; One guest pass.
- ☐ The Landscaper – \$35 – One card admits member and guest; Two guest passes.
- ☐ The Arbor Circle – \$50 – Two cards, each card admits three; Greenhouse tours; Four guest passes.
- ☐ The Botanist Club – \$120 – Two cards, each card admits three; Merchant discounts; Greenhouse tours; A breakfast in the Gardens; 10 guest passes.

**SENIOR MEMBER DIVIDEND**—Members 65 or older at any level of membership may ask for another guest pass each time they use their card to enter the Gardens!

**WITH EACH GIFT WE WILL SEND TWO SPECIAL MAGNETIC PICTURE FRAMES AS AN INTRODUCTORY BONUS.**

Please send a gift membership to:

Name(s) \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Home Phone \_\_\_\_\_ Work Phone \_\_\_\_\_

Donor's Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

Sign gift card \_\_\_\_\_

Gift card ☐ taken, or mail ☐ to recipient ☐ to me, by (date) \_\_\_\_\_

Enclosed is my check for \$ \_\_\_\_\_ to Denver Botanic Gardens.

Charge membership to ☐ VISA ☐ MC

# \_\_\_\_\_ Exp. \_\_\_\_\_

Signature \_\_\_\_\_

**Recipients receive a card informing them of your gift plus a free plant that may be picked up at the Gardens.**

Please return this form with payment to:

Denver Botanic Gardens Membership Office

Dept. 251

Denver, CO 80291-0251

Questions **or** to order by phone call 370-8029.



Denver Botanic Gardens, Inc.  
909 York Street  
Denver, Colorado 80206-3799  
303-331-4000 • 370-8032 TDD

Address correction requested  
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# December



## Coming Up:

### December

- 8 & 9 For DBG members: Herald the Season
- 10-31 "Blossoms of Light"
- 10 Teddy Bear Teas  
"Blossoms of Light" Opening Ceremony
- 13 & 14 Concert: Wind Machine
- 14 Nature's Workshop
- 17 Teddy Bear Teas
- 20 Concert: Lannie Garrett
- 21 Nature's Workshop
- 22 Concert: Pan Jumbies
- 28 Nature's Workshop

### January

- 1 "Blossoms of Light" Final Night
- 18 Meeting: Rocky Mountain Chapter of the  
American Rock Garden Society
- 22 New Members' Party — for DBG members  
only — free!

## Kids Find Fun, Learning in 'Nature's Workshops'



Children and their families who take part in this year's "Nature's Workshops" during "Blossoms of Light" will encounter a series of hands-on activities built around fun and learning for the entire family. The workshops will be from 6 to 9 p.m. the last three Wednesdays of December.

During the workshop "Creative Candles" on December 14, kids will create and decorate a colorful beeswax candle. On December 21

families will use the floral bounty of the garden to create "Scentational Sachets" out of fabric, ribbon and potpourri. December 28 participants in "Natural Notes" will take home a note card decorated with dried leaves and flowers.

All activities are free with admission to "Blossoms of Light" (no charge to members) and will take place in the Helen Fowler Library.

## Schoolteachers Learn To Use DBG Resources

Schoolteachers from the Denver metropolitan area are invited to attend a free educators' open house at Denver Botanic Gardens Monday, December 12, from 3 to 5 p.m. to learn about exciting opportunities the Gardens has to offer their students. Teachers of all grades will participate in hands-on activities, enjoy light refreshments and learn about resources for their classes.

Pre-registration is required and space is limited; please call youth education specialist Geri Warfield, 370-8043.

